STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

July 13, 2001

Kenneth C. Baldwin
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-011-010619** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 8 Hoskins Road, Bloomfield, Connecticut. (Docket No. 158)

Dear Attorney Baldwin:

At a public meeting held on July 11, 2001, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 19, 2001. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Faith McMahon, Mayor, Town of Bloomfield
Thomas B. Hooper, Director of Planning, Town of Bloomfield
Sandy M. Carter, Verizon Wireless
Dorian E. Hill, Northeast Utilities
Peter W. van Wilgen, SNET Mobility LLC
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC

ROBINSON & COLE LLP
HARTFORD • STAMFORD • GREENWICH • NEW YORK • BOSTON

LAW OFFICES

280 Trumbull Street
Hartford, CT 06103-3597
860-275-8200
Fax 860-275-8299

Kenneth C. Baldwin
860-275-8345
Internet: kbaldwin@rc.com

June 19, 2001

Via Hand Delivery

Mr. Joel M. Rinebold
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Notice of Exempt Modification
8 Hoskins Road, Bloomfield, Connecticut
Siting Council Docket No. 158

Dear Mr. Rinebold:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to modify an existing Northeast Utilities (NU) facility tower at 8 Hoskins Road in Bloomfield, Connecticut. Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Bloomfield Town Manager, Louie Chapman, Jr.

NU maintains an existing 180-foot lattice tower at 8 Hoskins Road. This tower is currently shared by Cellco, Springwich Cellular Limited Partnership, and NU. Cellco's existing facility consists of six panel-type antennas attached at the 150-foot level on the tower and a single-story equipment shelter near the base of the tower. Cellco intends to remove the existing antennas and install a total of twelve (12) panel-type antennas (Model #DB844) on the tower at the same 150-foot level on the tower. As described in the Structural Analysis, Cellco originally intended to install twelve (12) ALP 7130.16 panel antennas on the NU tower. The change to the DB844 antenna was made so that the tower would fall within NU's specified limits. There are no changes proposed to any ground mounted structures or equipment. Attached is a copy of an HEB memorandum dated June 12, 2001, confirming that the proposed modifications will meet NU's structural standards. Five copies of the July 28, 2000 analysis referred in the June 12, 2001 memorandum are also attached.

The planned modifications to the NU facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not increase the overall height of the existing tower. Cellco's additional antennas will continue to be mounted at the 150-foot level on the existing 180-foot tower.

2. The installation of twelve (12) panel antennas does not effect any ground level equipment or structure and therefore will not require an extension of facility boundaries.

3. The proposed antenna modification will not increase the noise levels at the facility by six decibels or more.

4. The operation of the additional antennas does not result in an increase in existing radio frequency (RF) power density levels at the facility. Updated RF power density calculations were therefore not performed for Cellco or other uses at this facility.

For the foregoing reasons, Cellco respectfully submits that the proposed addition of six panel antennas at the Bloomfield facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

KCB/kmd
Attachments
cc: Louie Chapman, Jr., Bloomfield Town Manager
Sandy M. Carter

06/12/01 TUE 12:16 [TX/RX NO 6496]
TOTAL P.02
06/12/2001 11:14 6033567715 HEB CIVIL PAGE 01

HEB

H. E. Bergeron Engineers, P.A.
PO Box 440, 2605 White Mountain Highway
North Conway, NH 03860-0440
(603) 356-6936 Phone
(603) 356-7715 Fax
hebcivil.com e-mail

MEMO

DATE: June 12, 2001 **TIME:** 11:13 AM **Job #:2000-043-002**

TO: Scott Fishman

FROM: Joe Klementovich

SUBJECT: CHANGE IN PANEL TYPE FOR BLOOMFIELD, TARIFFVILLE

Scott,

I have looked over the structural analysis dated July 28th, 2000 and have been asked to elaborate on the December 13th, 2000 e-mail that Mr. Adair sent out. The July analysis was done and the tower is capable of supporting twelve ALP7130.16 panel antennas located at an elevation of 150-feet (six originally and six proposed). The total equivalent flat plate area for those 12 ALP7130.16 panels is 3.9 x 12 = 46.8 sq. ft. The option of replacing the 12 ALP7130.16 panels with twelve DB844 would reduce the equivalent flat plate area to 2.0 x 12 = 24 sq. ft. effectively reducing the equivalent flat plate area by 22.8 sq. ft. The waveguide cables would be the same diameter and stacked in either case, which would not change the wind load for either option.

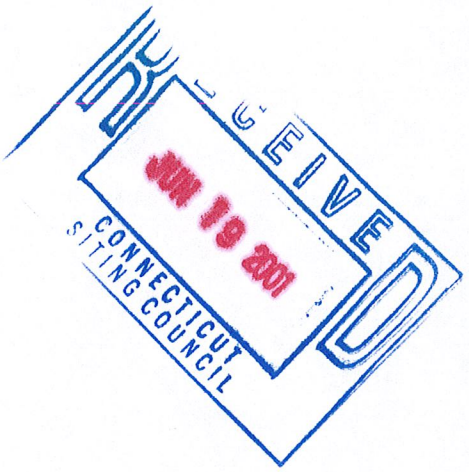
The change from 12 ALP 7130.16 panels to 12 DB844 would drastically reduce the wind load on the tower, as well as reducing the twist and sway significantly.

HEB's original analysis done with 12 ALP7130.16 panels produced a tower twist of .59 degrees. If the smaller 12 DB844 panels were used to replace the 12 ALP7130.16 panels, the change in equivalent flat plate area would decrease the tower twist to within NU specified limits. The change in panel type does not increase the load on the tower. The existing tower is capable of supporting the change to twelve DB844 panels.

Sincerely,
H. E. Bergeron Engineers, P.A.

Joe Klementovich
Project Engineer

P.02
JUN-12-2001 12:24



STRUCTURAL ANALYSIS REPORT
OF
180' ANDREW 3ST TOWER
BLOOMFIELD, CONNECTICUT

Prepared for Verizon Wireless

HEB

H. E. Bergeron Engineers

• Civil • Structural • Land Surveying

2605 White Mountain Highway
North Conway, NH 03860
603-356-6936

H. E. Bergeron Engineers
• Civil • Structural • Land Surveying

☒ P.O. Box 440
2605 White Mountain Highway
North Conway, NH 03860
(603) 356-6936
(603) 356-7715 (fax)

☐ 65 W. Commercial Street
Portland, ME 04101
(207) 780-1100
(207) 780-1101 (fax)
www.hebcivil.com

HEB

STRUCTURAL ANALYSIS REPORT
OF
180' ANDREW 3ST TOWER
BLOOMFIELD, CONNECTICUT

Prepared for Verizon Wireless

July 28, 2000

Prepared by:

H. E. Bergeron Engineers, P.A.
P.O. Box 440, 2605 White Mountain Highway
North Conway, NH 03860
HEB Project No. 2000-043-002

H. E. Bergeron Engineers
• Civil • Structural • Land Surveying

P.O. Box 440
2605 White Mountain Highway
North Conway, NH 03860
(603) 356-6936
(603) 356-7715 (fax)

65 W. Commercial Street
Portland, ME 04101
(207) 780-1100
(207) 780-1101 (fax)
www.hebcivil.com

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STRUCTURAL ANALYSIS REPORT
of
NORTHEAST UTILITIES'
180' ANDREW 3ST TOWER
BLOOMFIELD, CONNECTICUT
prepared for Verizon Wireless

EXECUTIVE SUMMARY:

H. E. Bergeron Engineers, P.A. (HEB) performed a structural analysis of this 180-foot self-supporting tower located in Bloomfield, Connecticut. The analysis was performed with the addition of six ALP7130.16 panel antennas to be installed on existing gate boom mounts at an elevation of 150-feet. Each antenna is to be fed by a 1-5/8-inch waveguide cable. HEB assumed new waveguide cables would be stacked on existing cables, resulting in no increase in wind area on the cables. Criteria used in the analysis were 90-mph wind speed with simultaneous 1/2-inch of radial ice.

Our analysis indicates the following:

- Leg members, diagonal and horizontal bracing, anchor bolts and splice bolts are capable of supporting the proposed loads.
- Tower sway at the top of the structure was calculated to be 0.59 degrees, slightly exceeding Northeast Utilities' (NU) allowable value of 0.5 degrees.

INTRODUCTION:

HEB performed this analysis for Verizon Wireless. The tower is located on Talcott Mountain off Tariffville Road in Bloomfield, Connecticut and is owned by Northeast Utilities. Robert E. Adair, P.E. and BB Bush previously inspected the tower on March 7, 2000 to record information regarding physical and dimensional properties of the structure and its associated appurtenances. Mr. Adair climbed the structure in its entirety while conducting the inspection.

The structure is a 180-foot, galvanized steel, three-legged, self-supporting tower manufactured by Andrew Corp. It currently supports multiple microwave dish, panel, whip and dipole antennas. BAM proposes to add six ALP7130.16 panel antennas, fed by six 1-5/8" diameter coaxial cables, on three existing gate boom mounts at a centerline elevation of 150-feet.

HEB

STRUCTURAL ANALYSIS:

Methodology:

The structural analysis was done in accordance with TIA/EIA-222-F, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures; the American Institute of Steel Construction (AISC), Manual of Steel Construction, Allowable Stress Design, Ninth Edition; and Northeast Utilities' General Guidelines for Communications Antennas Proposed on Telecommunications Towers.

The analysis was conducted by placing one-half inch of radial ice over the entire structure and all appurtenances, then applying a simultaneous wind load of 90 miles per hour. The TIA/EIA Standard requires a minimum of 80-mph wind load for Hartford County, Connecticut.

Two analytical methods were used to evaluate the structure: a two-dimensional model using spreadsheet programs developed by HEB, and a three-dimensional space frame analysis using CSTRAAD finite element software distributed by ECOM Associates. The HEB 2-D model was used to generate dead loads of the tower and all of its appurtenances, radial ice loads and the resultant wind loading. The maximum axial loads were used to calculate stresses on tower leg members and splice connections, which were compared to allowable stresses according to AISC and TIA/EIA.

Loads generated in the 2-D model were input into the CSTRAAD program to calculate movement of the structure under load and to independently evaluate member forces. Two load cases were investigated in the CSTRAAD model to determine maximum twist (rotation) and sway (deflection) based on different wind orientations. Calculated twist and sway were compared to maximum allowable values of 0.5 degrees specified by NU.

The TIA/EIA standard permits a one-third increase in allowable stresses for towers less than 700-feet tall. Allowable stresses of tower members were increased by one-third in computing the load capacity values indicated herein.

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ANALYSIS RESULTS:

Our analysis determined the tower will structurally support the proposed antennae in addition to its current loading. Calculated sway at the top of the tower slightly exceeds NU's standards. The following sections provide discussion on the specific criteria examined in our investigation. Supporting calculations are provided in Appendix B.

Evaluation of Leg Members:

Axial stresses on each size leg member were compared to allowable stresses in accordance with AISC. Shear forces in each leg were also evaluated and, as is typical of communication structures, do not govern member capacity.

The following table summarizes the capacity of leg members based on calculated vs. allowable stresses:

Section	Elevation	Capacity
1	0'-20'	87%
2	20'-40'	85%
3	40'-60'	85%
4	60'-80'	88%
5	80'-100'	67%
6	100'-120'	57%
7	120'-140'	52%
8	140'-160'	27%
9	160'-180'	20%

Evaluation of Lattice Bracing:

TIA/EIA-222-F Paragraph 3.1.12 requires diagonal bracing to have a slenderness ratio (Kl/r; effective length divided by the radius of gyration) of 200 or less. Bracing sizing was determined to be appropriately sized based on the Kl/r ratio.

In addition, the CSTRAAD calculated maximum compressive forces on each size of bracing members were evaluated for compressive stresses in accordance with AISC. Our analysis determined that all bracing members are adequately sized for the proposed loading.

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Evaluation of Splice, Bracing, and Anchor Bolts:

Maximum shear forces at each splice location were evaluated relative to allowable capacity of each splice bolt. We found splice bolts to be adequately sized for the proposed loading. Note that splice bolts join formed plate legs and are in shear as opposed to a typical tension orientation.

Shear forces at each bracing bolt location were calculated and bolt stresses were compared to allowable values published by AISC. Our analysis indicates all bracing bolts are adequately sized.

Tension forces on anchor bolts were also evaluated. Anchors bolts were found to be satisfactory under the loading criteria used.

Evaluation of Twist and Sway:

HEB calculates twist and sway by using AutoCAD drawing software to graphically plot CSTRAAD nodal displacements at the noted elevation. The displaced structure is compared to the undeformed shape to measure horizontal and angular movement. Two wind directions were evaluated to determine the worst case conditions: first with wind blowing perpendicular to one tower face, and second with wind blowing parallel to one tower face.

The maximum sway at the top of the tower was calculated to be 0.59 degrees. The magnitude of this value decreases with decreasing elevation. The maximum twist calculated at the top of the tower was 0.20 degrees. Northeast Utilities maximum permitted twist or sway is 0.5 degrees.

Figure 2 in Appendix A provides a graphic illustration of the calculated twist and sway.

Analysis of Tower Foundations:

Evaluation of the existing base foundations was not performed, since foundation drawings were not provided to HEB. Base reactions imposed by the proposed loading were calculated to be as follows:

Tension:	336.0 kips
Compression:	405.2 kips
Shear:	45.9 kips

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CONCLUSIONS AND SUGGESTIONS:

As detailed above, our analysis indicates that Northeast Utilities' 180-foot self-supporting tower is capable of supporting the additional antennas proposed by Verizon Wireless under the loading criteria of 90-mph wind and 1/2-inch of simultaneous ice. Sway, calculated to be 0.59 degrees at the top of the tower, slightly exceeds NU's allowable value of 0.5 degrees.

The tower's base foundations were not evaluated, as HEB did not have information on their design or construction.

LIMITATIONS:

This report is based on the following:

1. Tower is properly installed and maintained.
2. All members are in new condition.
3. All required members are in place.
4. All bolts are in place and are properly tightened.
5. Weep holes on tube and pipe members are open.
6. Tower is in plumb condition.
7. All members are galvanized.
8. All tower members were properly designed, detailed, fabricated, and installed and have been properly maintained since erection.

H. E. Bergeron Engineers, P.A. (HEB) is not responsible for any modifications completed prior to or hereafter which HEB is not or was not directly involved. Modifications include but are not limited to:

1. Replacing or strengthening bracing members.
2. Reinforcing vertical members in any manner.
3. Adding or relocating stabilizers.
4. Installing antenna mounting gates or side arms.
5. Extending tower.

HEB hereby states that this document represents the entire report and that it assumes no liability for any factual changes that may occur after the date of this report. All representations, recommendations, and conclusions are based upon the information contained and set forth herein. If you are aware of any

HEB

information which conflicts with that which is contained herein, or you are aware of any defects arising from original design, material, fabrication, or erection deficiencies, you should disregard this report and immediately contact HEB. HEB disclaims all liability for any representation, recommendation, or conclusion not expressly stated herein.

Appendix A

Drawings

Appendix B

Calculations

H. E. BERGERON ENGINEERS, P.A.
2605 White Mountain Highway, PO Box 440
North Conway, NH 03860
(603) 356-6936

Client:	**Bell Atlantic Mobile**		
Job:	**Bloomfield, CT**	Job No.:	**2000-043**
Calculated By:	**A. Hall**	Date:	**25-Jul-00**
Checked By:		Date:	7/27/00

General Information

Tower Manufacturer	Andrew 3ST	
Tower Type	Self-supporting Tower	
Total Height of Tower	180	ft.
Wind Speed EIA-TIA Strafford County	90	mph.
Radial Ice	0.5	in.
75% Reduction for ice	yes	(yes or no)
1/3 increase for allowable loads	yes	(yes or no)
Number of faces	3	faces

Antenna Force Calculations based on EIA/TIA-222-F, using the following formulas:

Force on discrete appurtenance: F=Qz*Gh*Ca*A

Force on microwave antennae: F=Cr*A*Gh*Kz^2, where Cr=((Ca^2)+(Cs^2))^(1/2)

Gh=.65+.60/(h/33)^(1/7) = Gh= 1.12

V as specified EIA-222-F

Fy	50	ksi
E (Modulus of Elasticity)	29000	ksi
Fb	0.6	
K	1	

Section No.	Section Length	Leg Spread @ Base of section	Leg Size (Description)		Width of Leg to Wind	Leg Properties Area	Leg Properties r_z	Leg Properties Unbraced Lengths	Shape (round =R flat =F)
1	20	25.00	9x5/8	#N/A	9.00	11.21	2.17	60.00	F
2	20	23.22	8.5x5/8	#N/A	8.50	10.58	2.04	60.00	F
3	20	21.44	7.25x5/8	#N/A	7.25	9.02	1.72	60.00	F
4	20	19.67	7x1/2	#N/A	7.00	6.97	1.67	60.00	F
5	20	17.89	7x1/2	#N/A	7.00	6.97	1.67	60.00	F
6	20	16.11	6x1/2	#N/A	6.00	5.97	1.41	60.00	F
7	20	14.33	5.5x3/8	#N/A	5.50	4.10	1.29	60.00	F
8	20	12.56	5x3/8	#N/A	5.00	3.73	1.16	60.00	F
9	20	10.78	4.5x1/4	#N/A	4.50	2.23	1.03	80.00	F
top		9.00							

180

H. E. BERGERON ENGINEERS, P. A.
2605 White Mountain Highway, PO Box 440
North Conway, NH 03860
(603) 356-6936

Client: Bell Atlantic Mobile
Job: Bloomfield, CT
Job No.: 2000-043

Calculated By: A. Hall
Checked By: BH

Date: 25-Jul-00
Date: 7/27/00

Tower Summary

Section 1 *type*

Ag = 497 sf z = 10 ft

	Quantity Per Face	Length (ft.	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	9.0	30.0	33.3	38.1	2288.7	443.3
Diagonal	2	23.6	2.5	9.8	13.8	9.0	1273.3	660.2
Horiz.	1	23.2	2.0	3.9	5.8	5.5	383.1	270.9
Sub-diag	2	28.7	2.0	9.6	14.3	3.3	567.9	669.2
Sub-horz.	2	17.4	2.0	5.8	8.7	3.3	344.9	406.5
				0.0	0.0		0.0	0.0
				0.0	0.0		0.0	0.0

Section 2 *type*

Ag = 461 sf z = 30 ft

	Quantity Per Face	Length (ft.	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	8.5	28.3	31.7	36.0	2160.9	420.0
Diagonal	2	30.3	2.5	12.6	17.7	9.0	1636.7	848.7
Horiz.	1	43.8	3.0	10.9	14.6	7.4	974.3	714.9
Sub-diag	2	14.5	2.5	6.0	8.5	3.1	267.1	203.0
Sub-horz.	2	10.9	2.5	4.6	6.4	3.1	201.5	153.2
				0.0	0.0		0.0	0.0

Section 3 *type*

Ag = 423 sf z = 50 ft

	3	Length (ft.	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	7.3	24.2	27.5	30.7	1842.0	361.7
Diagonal	2	29.0	3.0	14.5	19.3	7.4	1291.1	947.3
Horiz.	1	40.2	3.0	10.1	13.4	6.1	741.0	657.1
Sub-diag	2	13.9	2.5	5.8	8.1	3.1	255.5	194.2
Sub-horz.	2	10.1	2.5	4.2	5.9	3.1	185.3	140.8
				0.0	0.0		0.0	0.0

Section	4			type				
Ag =	387 sf			z =	70 ft			
	Quantity Per Face	Length (ft.	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	7.0	23.3	26.7	23.7	1422.2	350.0
Diagonal	2	27.7	3.0	13.8	18.5	7.4	1232.8	904.5
Horiz.	1	36.7	3.0	9.2	12.2	6.1	675.8	599.3
Sub-diag	2	13.2	2.5	5.5	7.7	3.1	246.3	185.4
Sub-horz.	2	9.2	1.8	2.7	4.2	2.1	116.8	96.4
				0.0	0.0		0.0	0.0

Section	5			type				
Ag =	352 sf			z =	90 ft			
	Quantity Per Face	Length (ft.	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	7.0	23.3	26.7	23.7	1422.2	350.0
Diagonal	2	26.4	3.0	13.2	17.6	7.4	1174.4	861.7
Horiz.	1	35.4	2.5	7.4	10.3	6.1	651.7	495.3
Sub-diag	2	11.9	2.0	4.0	6.0	2.4	174.7	139.2
Sub-horz.	2	7.9	2.0	2.6	3.9	2.4	115.2	91.8
				0.0	0.0		0.0	0.0

Section	6			type				
Ag =	314 sf			z =	110 ft			
	Quantity Per Face	Length (ft	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	6.0	20.0	23.3	20.3	1218.3	303.3
Diagonal	2	25.1	2.5	10.4	14.6	6.1	923.6	702.0
Horiz.	1	34.1	2.0	5.7	8.5	4.9	498.8	397.5
Sub-diag	2	10.6	2.0	3.5	5.3	2.4	155.5	123.9
Sub-horz.	2	6.6	1.8	1.9	3.0	2.1	83.4	68.9
				0.0	0.0		0.0	0.0

Section	7			type				
Ag =	278 sf			z =	130 ft			
	Quantity Per Face	Length (ft	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	5.5	18.3	21.7	14.0	837.3	280.0
Diagonal	2	23.8	2.0	7.9	11.9	5.5	784.1	554.4
Horiz.	1	32.8	2.0	5.5	8.2	3.3	324.3	382.2
Sub-diag	2	9.3	2.0	3.1	4.7	2.4	136.3	108.6
Sub-horz.	2	5.2	1.8	1.5	2.4	2.1	66.8	55.1
				0.0	0.0		0.0	0.0

Section	8			type				
	Ag = 242 sf			z = 150 ft				
	Quantity Per Face	Length (ft.	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	5.0	16.7	20.0	12.7	760.5	256.7
Diagonal	2	22.5	2.0	7.5	11.2	4.9	657.3	523.8
Horiz.	1	31.5	1.8	4.6	7.2	4.2	400.0	330.2
Sub-diag	2	8.0	1.8	2.3	3.7	4.2	203.5	168.0
Sub-horz.	2	3.9	1.8	1.1	1.8	2.1	50.1	41.4

Section	9			type				
	Ag = 205 sf			z = 170 ft				
	Quantity Per Face	Length (ft.	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	20.0	4.5	15.0	18.3	7.6	455.9	233.3
Horizontal	1	9.0	3.5	2.6	3.4	5.4	145.8	84.0
Diagonal	6	11.9	3.0	17.9	23.9	3.7	796.7	584.6

Section	top			type				
	Ag = 0 sf			z = 180 ft				
	Quantity Per Face	Length (ft	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	2	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Diagonal				0.0	0.0		0.0	0.0
Horizontal				0.0	0.0		0.0	0.0

Section	0			type				
	Ag = 0 sf			z = 180 ft				
	Quantity Per Face	Length (ft	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	2	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Diagonal				0.0	0.0		0.0	0.0
Horizontal				0.0	0.0		0.0	0.0

Section				type				
	Ag = 0 sf			z = 180 ft				
	Quantity Per Face	Length (ft	Width (in.)	Area (sf)	Area w/ ice	Wt. Per ft.	Wt. (lbs.) Tower	Wt. (lbs.) Ice
Round Members								
Leg	2	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	0.0	0.0
				0.0	0.0		0.0	0.0
Flat Members								
Leg	2	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		0.0	0.0

Notes:

1. Ag is gross area of tower.
2. z is height above ground t· mid-point of section.

H. E. BERGERON ENGINEERS
2605 White Mountain Highway. PO Box 440
North Conway, NH 03860
(603) 356-6936

Client: Bell Atlantic Mobile
Job: Bloomfield, CT Job No.: 2000-043

Calculated By: A. Hal Date: 25-Jul-00
Checked By: Date: 7/27

Tower Height = 180 ft.
Wind Speed = 90 mph
Gust Response = 1.12

Antennas

Perpendicular to tower face

Type	Elev. (z)	Coeff. (C)	Kz	Qz	Area (ice)	Force (ice)	Moment	Weight (w/ ice)	Leg	Offset
Whip	48	1.2	1.11	23.08	1.9	**59**	0	125	A	0.0
Whip	60	1.2	1.19	24.60	1.9	**63**	0	125	A	0.0
Dipole & whip	70	1.2	1.24	25.71	9.9	**343**	0	300	C	0.0
Dipole	84	1.2	1.31	27.08	27.5	**1000**	3000	450	A	3.0
Lights	90	0.8	1.33	27.62	2.8	**70**	0	125	AC	0.0
Whip	100	1.2	1.37	28.46	9.2	**353**	353	300	A	1.0
Whip	105	1.2	1.39	28.86	1.9	**74**	37	125	B	0.5
Whip	112	1.2	1.42	29.40	7.0	**275**	138	250	A	0.5
Yagi & (2) Whips	123	1.2	1.46	30.20	27.3	**1109**	3328	450	A	3.0
(6) ALP7130.16	150	1.4	1.54	31.96	51.8	**2597**	7791	1950	ea. face	3.0
(9) ALP7120.16	158	1.4	1.56	32.44	60.2	**3063**	9189	2025	ea. face	3.0
Whip	160	1.2	1.57	32.55	8.6	**379**	189	300	AC	0.5
Grid	164	1.2	1.58	32.79	3.6	**159**	79	175	B	0.5
(3) Celwave panels	170	1.4	1.60	33.12	17.1	**890**	0	450	ea. face	0.0
Omni	177	1.2	1.62	33.51	2.3	**105**	0	125	C	0.0
Whip	178	1.2	1.62	33.56	1.5	**66**	0	125	C	0.0
4-bay dipole	177	1.2	1.62	33.51	3.4	**154**	0	200	BC	0.0
Dual beacons	180	0.8	1.62	33.67	5.0	**151**	0	150	A	0.0
L-rod	180	1.2	1.62	33.67	1.1	**50**	0	125	A	0.0

Dishes									Leg	Offset
8' dish w/radome	95	0.00177	1.35	28.05	57.0	**1239**	3717	975	C	3.0
6' dish w/radome	115	0.00177	1.43	29.62	29.5	**677**	1354	500	C	2.0
8' dish w/radome	124	0.00177	1.46	30.27	57.0	**1337**	4011	975	C	3.0
8' dish w/radome	135	0.00177	1.50	31.01	57.0	**1370**	4110	975	C	3.0
10' dish w/radome	136	0.00109	1.50	31.08	86.6	**1289**	3868	1250	B	3.0
4' dish w/radome	145	0.00120	1.53	31.65	14.8	**247**	370	250	C	1.5
8' dish w/radome	165	0.00174	1.58	32.84	57.0	**1426**	4279	975	C	3.0
8' dish w/radome	174	0.00150	1.61	33.34	57.0	**1251**	3752	975	B	3.0
6' dish w/radome	175	0.00121	1.61	33.40	29.5	**519**	1039	500	C	2.0
8' dish w/radome	175	0.00202	1.61	33.40	57.0	**1686**	5059	975	A	3.0

Proposed Antennae										
(6) ALP7130.16	150	1.4	1.54	31.96	27.4	**1373**	4120	150	ea. face	3.0
on exist. Mounts			1.00	20.74		**0**	0			

H. E. BERGERON ENGINEERS
2605 White Mountain Highway PO Box 440
North Conway, NH 03860
(603) 356-6936

Client: Bell Atlantic Mobile
Job: Bloomfield, CT Job No.: 2000-043

Calculated By: A. Hal Date: 25-Jul-00
Checked By: [signature] Date: 7/27/00

Tower Height = 180 ft.
Wind Speed = 90 mph
Gust Response = 1.12

Antennas

Paralle to tower face

Type	Elev. (z)	Coeff. (C)	Kz	Qz	Area (ice)	Force (ice)	Moment	Weight (w/ ice)	Leg	Offset
Whip	48	1.2	1.11	23.08	1.9	**59**	0	125	A	0.0
Whip	60	1.2	1.19	24.60	1.9	**63**	0	125	A	0.0
Dipole & whip	70	1.2	1.24	25.71	9.9	**343**	0	300	C	0.0
Dipole	84	1.2	1.31	27.08	27.5	**1000**	3000	450	A	3.0
Lights	90	0.8	1.33	27.62	2.8	**70**	0	125	AC	0.0
Whip	100	1.2	1.37	28.46	9.2	**353**	353	300	A	1.0
Whip	105	1.2	1.39	28.86	1.9	**74**	37	125	B	0.5
Whip	112	1.2	1.42	29.40	7.0	**275**	138	250	A	0.5
Yagi & (2) Whips	123	1.2	1.46	30.20	27.3	**1109**	3328	450	A	3.0
(6) ALP7130.16	150	1.4	1.54	31.96	51.8	**2597**	7791	1950	ea. face	3.0
(9) ALP7120.16	158	1.4	1.56	32.44	60.2	**3063**	9189	2025	ea. face	3.0
Whip	160	1.2	1.57	32.55	8.6	**379**	189	300	AC	0.5
Grid	164	1.2	1.58	32.79	3.6	**159**	79	175	B	0.5
(3) Celwave panels	170	1.4	1.60	33.12	17.1	**890**	0	450	ea. face	0.0
Omni	177	1.2	1.62	33.51	2.3	**105**	0	125	C	0.0
Whip	178	1.2	1.62	33.56	1.5	**66**	0	125	C	0.0
4-bay dipole	177	1.2	1.62	33.51	3.4	**154**	0	200	BC	0.0
Dual beacons	180	0.8	1.62	33.67	5.0	**151**	0	150	A	0.0
L-rod	180	1.2	1.62	33.67	1.1	**50**	0	125	A	0.0

Dishes									Leg	Offset
8' dish w/radome	95	0.0010	1.35	28.05	57.0	**766**	2298	975	C	3.0
6' dish w/radome	115	0.0010	1.43	29.62	29.5	**419**	837	500	C	2.0
8' dish w/radome	124	0.0010	1.46	30.27	57.0	**827**	2480	975	C	3.0
8' dish w/radome	135	0.0010	1.50	31.01	57.0	**847**	2541	975	C	3.0
10' dish w/radome	136	0.0022	1.50	31.08	86.6	**2604**	7813	1250	B	3.0
4' dish w/radome	145	0.0012	1.53	31.65	14.8	**247**	370	250	C	1.5
8' dish w/radome	165	0.0010	1.58	32.84	57.0	**854**	2561	975	C	3.0
8' dish w/radome	174	0.0016	1.61	33.34	57.0	**1388**	4165	975	B	3.0
6' dish w/radome	175	0.0012	1.61	33.40	29.5	**519**	1039	500	C	2.0
8' dish w/radome	175	0.0012	1.61	33.40	57.0	**1004**	3011	975	A	3.0

Proposed Antennae										
(6) ALP7130.16	150	1.4	1.54	31.96	27.4	**1373**	4120	150	ea. face	3.0
on exist. Mounts			1.00	20.74		**0**	0			

H. E. BERGERON ENGINEERS, P.A.
2605 White Mountain Highway, PO Box 440
North Conway, NH 03860
(603) 356-6936

Client: **Bell Atlantic Mobile**
Job: **Bloomfield, CT**
Calculated By: **A. Hall**
Checked By: *[signature]*

Job No.: **2000-043**
Date: **25-Jul-00**
Date: *7/27/00*

Existing Wind Load Without Ice

Section	Midpoint Height	Areas					Factors			Rr	Kz	Qz	Gh	e	Cf	Wind Load	Section Length	Uniform Load	
		Gross	Flats	Rounds	Ae	Aa	Df	Dr	Ca										
1	10	497.2	59.1	0.0	59.1	82.50	1	1	1.2	0.58	1.00	20.74	1.12	0.12	2.89	6268 lbs.	20	313 lbs/ft.	157
2	30	460.8	62.5	0.0	62.5	82.50	1	1	1.2	0.58	1.00	20.74	1.12	0.14	2.83	6405 lbs.	20	320 lbs/ft.	160
3	50	423.2	58.7	0.0	58.7	82.50	1	1	1.2	0.58	1.13	23.35	1.12	0.14	2.81	6913 lbs.	20	346 lbs/ft.	173
4	70	387.2	54.5	0.0	54.5	82.50	1	1	1.2	0.58	1.24	25.71	1.12	0.14	2.81	7262 lbs.	20	363 lbs/ft.	182
5	90	351.7	50.5	0.0	50.5	82.50	1	1	1.2	0.58	1.33	27.62	1.12	0.14	2.80	7434 lbs.	20	372 lbs/ft.	186
6	110	314.4	41.6	0.0	41.6	82.50	1	1	1.2	0.58	1.41	29.25	1.12	0.13	2.84	7114 lbs.	20	356 lbs/ft.	178
7	130	278.1	36.3	0.0	36.3	82.50	1	1	1.2	0.58	1.48	30.68	1.12	0.13	2.84	6959 lbs.	20	348 lbs/ft.	174
8	150	241.7	32.2	0.0	32.2	74.17	1	1	1.2	0.58	1.54	31.96	1.12	0.13	2.83	6459 lbs.	20	323 lbs/ft.	161
9	170	205.3	35.5	0.0	35.5	15.83	1	1	1.2	0.59	1.60	33.12	1.12	0.17	2.69	4251 lbs.	20	213 lbs/ft.	106
top	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.	#DIV/0!
0	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.	#DIV/0!
	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.	#DIV/0!

Existing Wind Load With Ice

Section	Midpoint Height	Areas					Factors			Rr	Kz	Qz	Gh	e	Cf	Wind Load	Section Length	Uniform Load	
		Gross	Flats	Rounds	Ae	Ai	Df	Dr	Ca										
1	10	497.2	75.9	0.0	75.9	89.17	1	1	1.2	0.58	1.00	20.74	1.12	0.15	2.76	7361 lbs.	20	368 lbs/ft.	184
2	30	460.8	78.8	0.0	78.8	89.17	1	1	1.2	0.58	1.00	20.74	1.12	0.17	2.70	7423 lbs.	20	371 lbs/ft.	186
3	50	423.2	74.2	0.0	74.2	89.17	1	1	1.2	0.59	1.13	23.35	1.12	0.18	2.68	8006 lbs.	20	400 lbs/ft.	200
4	70	387.2	69.3	0.0	69.3	89.17	1	1	1.2	0.59	1.24	25.71	1.12	0.18	2.67	8409 lbs.	20	420 lbs/ft.	210
5	90	351.7	64.5	0.0	64.5	89.17	1	1	1.2	0.59	1.33	27.62	1.12	0.18	2.65	8607 lbs.	20	430 lbs/ft.	215
6	110	314.4	54.8	0.0	54.8	89.17	1	1	1.2	0.59	1.41	29.25	1.12	0.17	2.68	8330 lbs.	20	416 lbs/ft.	208
7	130	278.1	48.8	0.0	48.8	89.17	1	1	1.2	0.59	1.48	30.68	1.12	0.18	2.68	8176 lbs.	20	409 lbs/ft.	204
8	150	241.7	43.9	0.0	43.9	80.00	1	1	1.2	0.59	1.54	31.96	1.12	0.18	2.66	7620 lbs.	20	381 lbs/ft.	191
9	170	205.3	45.6	0.0	45.6	19.17	1	1	1.2	0.60	1.60	33.12	1.12	0.22	2.52	5124 lbs.	20	256 lbs/ft.	128
top	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.	#DIV/0!
0	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.	#DIV/0!
	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.	#DIV/0!

H. E. BERGERON ENGINEERS, P.A.
2605 White Mountain Highway, PO Box 440
North Conway, NH 03860
(603) 356-6936

Client: **Bell Atlantic Mobile**
Job: **Bloomfield, CT**
Calculated By: **A. Hall**
Checked By:

Job No.: 2000-043
Date: 25-Jul-00
Date: 7/27/00

Proposed Wind Load Without Ice

Section	Midpoint Height	Areas					Factors			Rr	Kz	Qz	Gh	e	Cf	Wind Load	Section Length	Uniform Load
		Gross	Flats	Rounds	Ae	Aa	Df	Dr	Ca									
1	10	497.2	59.1	0.0	59.1	82.50	1	1	1.2	0.58	1.00	20.74	1.12	0.12	2.89	6268 lbs.	20	313 lbs/ft.
2	30	460.8	62.5	0.0	62.5	82.50	1	1	1.2	0.58	1.00	20.74	1.12	0.14	2.83	6405 lbs.	20	320 lbs/ft.
3	50	423.2	58.7	0.0	58.7	82.50	1	1	1.2	0.58	1.13	23.35	1.12	0.14	2.81	6913 lbs.	20	346 lbs/ft.
4	70	387.2	54.5	0.0	54.5	82.50	1	1	1.2	0.58	1.24	25.71	1.12	0.14	2.81	7262 lbs.	20	363 lbs/ft.
5	90	351.7	50.5	0.0	50.5	82.50	1	1	1.2	0.58	1.33	27.62	1.12	0.14	2.80	7434 lbs.	20	372 lbs/ft.
6	110	314.4	41.6	0.0	41.6	82.50	1	1	1.2	0.58	1.41	29.25	1.12	0.13	2.84	7114 lbs.	20	356 lbs/ft.
7	130	278.1	36.3	0.0	36.3	82.50	1	1	1.2	0.58	1.48	30.68	1.12	0.13	2.84	6959 lbs.	20	348 lbs/ft.
8	150	241.7	32.2	0.0	32.2	74.17	1	1	1.2	0.58	1.54	31.96	1.12	0.13	2.83	6459 lbs.	20	323 lbs/ft.
9	170	205.3	35.5	0.0	35.5	15.83	1	1	1.2	0.59	1.60	33.12	1.12	0.17	2.69	4251 lbs.	20	213 lbs/ft.
top	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.
0	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.
	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.

Proposed Wind Load With Ice

Section	Midpoint Height	Areas					Factors			Rr	Kz	Qz	Gh	e	Cf	Wind Load	Section Length	Uniform Load
		Gross	Flats	Rounds	Ae	Ai	Df	Dr	Ca									
1	10	497.2	75.9	0.0	75.9	89.17	1	1	1.2	0.58	1.00	20.74	1.12	0.15	2.76	7361 lbs.	20	368 lbs/ft.
2	30	460.8	78.8	0.0	78.8	89.17	1	1	1.2	0.58	1.00	20.74	1.12	0.17	2.70	7423 lbs.	20	371 lbs/ft.
3	50	423.2	74.2	0.0	74.2	89.17	1	1	1.2	0.59	1.13	23.35	1.12	0.18	2.68	8006 lbs.	20	400 lbs/ft.
4	70	387.2	69.3	0.0	69.3	89.17	1	1	1.2	0.59	1.24	25.71	1.12	0.18	2.67	8409 lbs.	20	420 lbs/ft.
5	90	351.7	64.5	0.0	64.5	89.17	1	1	1.2	0.59	1.33	27.62	1.12	0.18	2.65	8607 lbs.	20	430 lbs/ft.
6	110	314.4	54.8	0.0	54.8	89.17	1	1	1.2	0.59	1.41	29.25	1.12	0.17	2.68	8330 lbs.	20	416 lbs/ft.
7	130	278.1	48.8	0.0	48.8	89.17	1	1	1.2	0.59	1.48	30.68	1.12	0.18	2.68	8176 lbs.	20	409 lbs/ft.
8	150	241.7	43.9	0.0	43.9	80.00	1	1	1.2	0.59	1.54	31.96	1.12	0.18	2.66	7620 lbs.	20	381 lbs/ft.
9	170	205.3	45.6	0.0	45.6	19.17	1	1	1.2	0.60	1.60	33.12	1.12	0.22	2.52	5124 lbs.	20	256 lbs/ft.
top	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.
0	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.
	180	0.0	0.0	0.0	0.0	0.00	1	1	1.2	0.57	1.62	33.67	1.12	0.00	3.40	0 lbs.	0	#DIV/0! lbs/ft.

		NODAL COORDINATES			BOUNDARY CONDITIONS (F=FIX, S=SUP, M=MASTER/SLAVE)					
NODE NO	REBAND NO	X	Y	Z	NODE TEMP	ALPHA	BETA	GAMMA	DIR	DDDOOO XYZXYZ	STIFFNESS
Units:		Ft	Ft	Ft	F	Deg	Deg	Deg			K /In /Deg
1	1	0.00	0.00	14.43	0.00	0.00	0.00	0.00		FFFFFF	
2	2	12.50	0.00	-7.22	0.00	0.00	0.00	0.00		FFFFFF	
3	3	-12.50	0.00	-7.20	0.00	0.00	0.00	0.00		FFFFFF	
4	4	0.00	5.00	14.18	0.00	0.00	0.00	0.00			
5	5	12.28	5.00	-7.09	0.00	0.00	0.00	0.00			
6	6	-12.28	5.00	-7.09	0.00	0.00	0.00	0.00			
7	7	0.00	10.00	13.92	0.00	0.00	0.00	0.00			
8	8	12.06	10.00	-6.96	0.00	0.00	0.00	0.00			
9	9	-12.06	10.00	-6.96	0.00	0.00	0.00	0.00			
10	10	0.00	15.00	13.66	0.00	0.00	0.00	0.00			
11	11	11.83	15.00	-6.83	0.00	0.00	0.00	0.00			
12	12	-11.83	15.00	-6.83	0.00	0.00	0.00	0.00			
13	13	0.00	20.00	13.41	0.00	0.00	0.00	0.00			
14	14	11.61	20.00	-6.70	0.00	0.00	0.00	0.00			
15	15	-11.61	20.00	-6.70	0.00	0.00	0.00	0.00			
16	16	0.00	25.00	13.15	0.00	0.00	0.00	0.00			
17	17	11.39	25.00	-6.58	0.00	0.00	0.00	0.00			
18	18	-11.39	25.00	-6.58	0.00	0.00	0.00	0.00			
19	19	0.00	30.00	12.89	0.00	0.00	0.00	0.00			
20	20	11.17	30.00	-6.45	0.00	0.00	0.00	0.00			
21	21	-11.17	30.00	-6.45	0.00	0.00	0.00	0.00			
22	22	0.00	35.00	12.64	0.00	0.00	0.00	0.00			
23	23	10.94	35.00	-6.32	0.00	0.00	0.00	0.00			
24	24	-10.94	35.00	-6.32	0.00	0.00	0.00	0.00			
25	25	0.00	40.00	12.38	0.00	0.00	0.00	0.00			
26	26	10.72	40.00	-6.19	0.00	0.00	0.00	0.00			
27	27	-10.72	40.00	-6.19	0.00	0.00	0.00	0.00			
28	28	0.00	45.00	12.12	0.00	0.00	0.00	0.00			
29	29	10.50	45.00	-6.06	0.00	0.00	0.00	0.00			
30	30	-10.50	45.00	-6.06	0.00	0.00	0.00	0.00			
31	31	0.00	50.00	11.87	0.00	0.00	0.00	0.00			
32	32	10.28	50.00	-5.93	0.00	0.00	0.00	0.00			
33	33	-10.28	50.00	-5.93	0.00	0.00	0.00	0.00			
34	34	0.00	55.00	11.61	0.00	0.00	0.00	0.00			
35	35	10.06	55.00	-5.81	0.00	0.00	0.00	0.00			
36	36	-10.06	55.00	-5.81	0.00	0.00	0.00	0.00			
37	37	0.00	60.00	11.35	0.00	0.00	0.00	0.00			
38	38	9.83	60.00	-5.68	0.00	0.00	0.00	0.00			
39	39	-9.83	60.00	-5.68	0.00	0.00	0.00	0.00			
40	40	0.00	65.00	11.10	0.00	0.00	0.00	0.00			
41	41	9.61	65.00	-5.55	0.00	0.00	0.00	0.00			
42	42	-9.61	65.00	-5.55	0.00	0.00	0.00	0.00			
43	43	0.00	70.00	10.84	0.00	0.00	0.00	0.00			
44	44	9.39	70.00	-5.42	0.00	0.00	0.00	0.00			
45	45	-9.39	70.00	-5.42	0.00	0.00	0.00	0.00			
46	46	0.00	75.00	10.58	0.00	0.00	0.00	0.00			
47	47	9.17	75.00	-5.29	0.00	0.00	0.00	0.00			
48	48	-9.17	75.00	-5.29	0.00	0.00	0.00	0.00			
49	49	0.00	80.00	10.33	0.00	0.00	0.00	0.00			
50	50	8.94	80.00	-5.16	0.00	0.00	0.00	0.00			
51	51	-8.94	80.00	-5.16	0.00	0.00	0.00	0.00			
52	52	0.00	85.00	10.07	0.00	0.00	0.00	0.00			
53	53	8.72	85.00	-5.04	0.00	0.00	0.00	0.00			
54	54	-8.72	85.00	-5.04	0.00	0.00	0.00	0.00			
55	55	0.00	90.00	9.81	0.00	0.00	0.00	0.00			
56	56	8.50	90.00	-4.91	0.00	0.00	0.00	0.00			
57	57	-8.50	90.00	-4.91	0.00	0.00	0.00	0.00			
58	58	0.00	95.00	9.56	0.00	0.00	0.00	0.00			
59	59	8.28	95.00	-4.78	0.00	0.00	0.00	0.00			
60	60	-8.28	95.00	-4.78	0.00	0.00	0.00	0.00			
61	61	0.00	100.00	9.30	0.00	0.00	0.00	0.00			
62	62	8.06	100.00	-4.65	0.00	0.00	0.00	0.00			
63	63	-8.06	100.00	-4.65	0.00	0.00	0.00	0.00			
64	64	0.00	105.00	9.05	0.00	0.00	0.00	0.00			
65	65	7.83	105.00	-4.52	0.00	0.00	0.00	0.00			
66	66	-7.83	105.00	-4.52	0.00	0.00	0.00	0.00			
67	67	0.00	110.00	8.79	0.00	0.00	0.00	0.00			
68	68	7.61	110.00	-4.39	0.00	0.00	0.00	0.00			
69	69	-7.61	110.00	-4.39	0.00	0.00	0.00	0.00			
70	70	0.00	115.00	8.53	0.00	0.00	0.00	0.00			
71	71	7.39	115.00	-4.27	0.00	0.00	0.00	0.00			
72	72	-7.39	115.00	-4.27	0.00	0.00	0.00	0.00			
73	73	0.00	120.00	8.28	0.00	0.00	0.00	0.00			
74	74	7.17	120.00	-4.14	0.00	0.00	0.00	0.00			
75	75	-7.17	120.00	-4.14	0.00	0.00	0.00	0.00			
76	76	0.00	125.00	8.02	0.00	0.00	0.00	0.00			
77	77	6.94	125.00	-4.01	0.00	0.00	0.00	0.00			
78	78	-6.94	125.00	-4.01	0.00	0.00	0.00	0.00			

79	79	0.00	130.00	7.76	0.00	0.00	0.00	0.00
80	80	6.72	130.00	-3.88	0.00	0.00	0.00	0.00
81	81	-6.72	130.00	-3.88	0.00	0.00	0.00	0.00
82	82	0.00	135.00	7.51	0.00	0.00	0.00	0.00
83	83	6.50	135.00	-3.75	0.00	0.00	0.00	0.00
84	84	-6.50	135.00	-3.75	0.00	0.00	0.00	0.00
85	85	0.00	140.00	7.25	0.00	0.00	0.00	0.00
86	86	6.28	140.00	-3.62	0.00	0.00	0.00	0.00
87	87	-6.28	140.00	-3.62	0.00	0.00	0.00	0.00
88	88	0.00	145.00	6.99	0.00	0.00	0.00	0.00
89	89	6.06	145.00	-3.50	0.00	0.00	0.00	0.00
90	90	-6.06	145.00	-3.50	0.00	0.00	0.00	0.00
91	91	0.00	150.00	6.74	0.00	0.00	0.00	0.00
92	92	5.83	150.00	-3.37	0.00	0.00	0.00	0.00
93	93	-5.83	150.00	-3.37	0.00	0.00	0.00	0.00
94	94	0.00	155.00	6.48	0.00	0.00	0.00	0.00
95	95	5.61	155.00	-3.24	0.00	0.00	0.00	0.00
96	96	-5.61	155.00	-3.24	0.00	0.00	0.00	0.00
97	97	0.00	160.00	6.22	0.00	0.00	0.00	0.00
98	98	5.39	160.00	-3.11	0.00	0.00	0.00	0.00
99	99	-5.39	160.00	-3.11	0.00	0.00	0.00	0.00
101	100	1.45	5.00	11.66	0.00	0.00	0.00	0.00
102	101	10.83	5.00	-4.57	0.00	0.00	0.00	0.00
103	102	9.37	5.00	-7.09	0.00	0.00	0.00	0.00
104	103	-9.37	5.00	-7.09	0.00	0.00	0.00	0.00
105	104	-10.83	5.00	-4.57	0.00	0.00	0.00	0.00
106	105	-1.45	5.00	11.66	0.00	0.00	0.00	0.00
107	106	2.90	10.00	8.89	0.00	0.00	0.00	0.00
108	107	9.15	10.00	-1.93	0.00	0.00	0.00	0.00
109	108	6.25	10.00	-6.96	0.00	0.00	0.00	0.00
110	109	-6.25	10.00	-6.96	0.00	0.00	0.00	0.00
111	110	-9.15	10.00	-1.93	0.00	0.00	0.00	0.00
112	111	-2.90	10.00	8.89	0.00	0.00	0.00	0.00
113	112	4.36	15.00	6.12	0.00	0.00	0.00	0.00
114	113	7.48	15.00	0.71	0.00	0.00	0.00	0.00
115	114	3.12	15.00	-6.83	0.00	0.00	0.00	0.00
116	115	-3.12	15.00	-6.83	0.00	0.00	0.00	0.00
117	116	-7.48	15.00	0.71	0.00	0.00	0.00	0.00
118	117	-4.36	15.00	6.12	0.00	0.00	0.00	0.00
119	118	2.79	25.00	8.32	0.00	0.00	0.00	0.00
120	119	8.60	25.00	-1.74	0.00	0.00	0.00	0.00
121	120	5.80	25.00	-6.58	0.00	0.00	0.00	0.00
122	121	-5.80	25.00	-6.58	0.00	0.00	0.00	0.00
123	122	-8.60	25.00	-1.74	0.00	0.00	0.00	0.00
124	123	-2.79	25.00	8.32	0.00	0.00	0.00	0.00
125	124	2.68	35.00	8.00	0.00	0.00	0.00	0.00
126	125	8.27	35.00	-1.67	0.00	0.00	0.00	0.00
127	126	5.58	35.00	-6.33	0.00	0.00	0.00	0.00
128	127	-5.58	35.00	-6.33	0.00	0.00	0.00	0.00
129	128	-8.27	35.00	-1.67	0.00	0.00	0.00	0.00
130	129	-2.68	35.00	8.00	0.00	0.00	0.00	0.00
131	130	2.58	45.00	7.68	0.00	0.00	0.00	0.00
132	131	7.94	45.00	-1.61	0.00	0.00	0.00	0.00
133	132	5.36	45.00	-6.08	0.00	0.00	0.00	0.00
134	133	-5.36	45.00	-6.08	0.00	0.00	0.00	0.00
135	134	-7.94	45.00	-1.61	0.00	0.00	0.00	0.00
136	135	-2.58	45.00	7.68	0.00	0.00	0.00	0.00
137	136	2.47	55.00	7.37	0.00	0.00	0.00	0.00
138	137	7.61	55.00	-1.54	0.00	0.00	0.00	0.00
139	138	5.13	55.00	-5.82	0.00	0.00	0.00	0.00
140	139	-5.13	55.00	-5.82	0.00	0.00	0.00	0.00
141	140	-7.61	55.00	-1.54	0.00	0.00	0.00	0.00
142	141	-2.47	55.00	7.37	0.00	0.00	0.00	0.00
143	142	2.36	65.00	7.05	0.00	0.00	0.00	0.00
144	143	7.28	65.00	-1.47	0.00	0.00	0.00	0.00
145	144	4.91	65.00	-5.57	0.00	0.00	0.00	0.00
146	145	-4.91	65.00	-5.57	0.00	0.00	0.00	0.00
147	146	-7.28	65.00	-1.47	0.00	0.00	0.00	0.00
148	147	-2.36	65.00	7.05	0.00	0.00	0.00	0.00
149	148	2.26	75.00	6.73	0.00	0.00	0.00	0.00
150	149	6.95	75.00	-1.41	0.00	0.00	0.00	0.00
151	150	4.69	75.00	-5.32	0.00	0.00	0.00	0.00
152	151	-4.69	75.00	-5.32	0.00	0.00	0.00	0.00
153	152	-6.95	75.00	-1.41	0.00	0.00	0.00	0.00
154	153	-2.26	75.00	6.73	0.00	0.00	0.00	0.00
155	154	2.15	85.00	6.41	0.00	0.00	0.00	0.00
156	155	6.63	85.00	-1.34	0.00	0.00	0.00	0.00
157	156	4.47	85.00	-5.07	0.00	0.00	0.00	0.00
158	157	-4.47	85.00	-5.07	0.00	0.00	0.00	0.00
159	158	-6.63	85.00	-1.34	0.00	0.00	0.00	0.00
160	159	-2.15	85.00	6.41	0.00	0.00	0.00	0.00
161	160	2.04	95.00	6.09	0.00	0.00	0.00	0.00
162	161	6.30	95.00	-1.27	0.00	0.00	0.00	0.00
163	162	4.25	95.00	-4.82	0.00	0.00	0.00	0.00
164	163	-4.25	95.00	-4.82	0.00	0.00	0.00	0.00
165	164	-6.30	95.00	-1.27	0.00	0.00	0.00	0.00

166	165	-2.04	95.00	6.09	0.00	0.00	0.00	0.00
167	166	1.94	105.00	5.77	0.00	0.00	0.00	0.00
168	167	5.97	105.00	-1.21	0.00	0.00	0.00	0.00
169	168	4.02	105.00	-4.57	0.00	0.00	0.00	0.00
170	169	-4.02	105.00	-4.57	0.00	0.00	0.00	0.00
171	170	-5.97	105.00	-1.21	0.00	0.00	0.00	0.00
172	171	-1.94	105.00	5.77	0.00	0.00	0.00	0.00
173	172	1.83	115.00	5.45	0.00	0.00	0.00	0.00
174	173	5.64	115.00	-1.14	0.00	0.00	0.00	0.00
175	174	3.80	115.00	-4.31	0.00	0.00	0.00	0.00
176	175	-3.80	115.00	-4.31	0.00	0.00	0.00	0.00
177	176	-5.64	115.00	-1.14	0.00	0.00	0.00	0.00
178	177	-1.83	115.00	5.45	0.00	0.00	0.00	0.00
179	178	1.72	125.00	5.14	0.00	0.00	0.00	0.00
180	179	5.31	125.00	-1.07	0.00	0.00	0.00	0.00
181	180	3.58	125.00	-4.06	0.00	0.00	0.00	0.00
182	181	-3.58	125.00	-4.06	0.00	0.00	0.00	0.00
183	182	-5.31	125.00	-1.07	0.00	0.00	0.00	0.00
184	183	-1.72	125.00	5.14	0.00	0.00	0.00	0.00
185	184	1.62	135.00	4.82	0.00	0.00	0.00	0.00
186	185	4.98	135.00	-1.01	0.00	0.00	0.00	0.00
187	186	3.36	135.00	-3.81	0.00	0.00	0.00	0.00
188	187	-3.36	135.00	-3.81	0.00	0.00	0.00	0.00
189	188	-4.98	135.00	-1.01	0.00	0.00	0.00	0.00
190	189	-1.62	135.00	4.82	0.00	0.00	0.00	0.00
191	190	1.51	145.00	4.50	0.00	0.00	0.00	0.00
192	191	4.65	145.00	-0.94	0.00	0.00	0.00	0.00
193	192	3.14	145.00	-3.56	0.00	0.00	0.00	0.00
194	193	-3.14	145.00	-3.56	0.00	0.00	0.00	0.00
195	194	-4.65	145.00	-0.94	0.00	0.00	0.00	0.00
196	195	-1.51	145.00	4.50	0.00	0.00	0.00	0.00
197	196	1.40	155.00	4.18	0.00	0.00	0.00	0.00
198	197	4.32	155.00	-0.87	0.00	0.00	0.00	0.00
199	198	2.91	155.00	-3.31	0.00	0.00	0.00	0.00
200	199	-2.91	155.00	-3.31	0.00	0.00	0.00	0.00
201	200	-4.32	155.00	-0.87	0.00	0.00	0.00	0.00
202	201	-1.40	155.00	4.18	0.00	0.00	0.00	0.00
301	202	5.81	20.00	3.35	0.00	0.00	0.00	0.00
302	203	0.00	20.00	-6.70	0.00	0.00	0.00	0.00
303	204	-5.81	20.00	3.35	0.00	0.00	0.00	0.00
304	205	5.58	30.00	3.22	0.00	0.00	0.00	0.00
305	206	0.00	30.00	-6.45	0.00	0.00	0.00	0.00
306	207	-5.58	30.00	3.22	0.00	0.00	0.00	0.00
307	208	5.36	40.00	3.10	0.00	0.00	0.00	0.00
308	209	0.00	40.00	-6.19	0.00	0.00	0.00	0.00
309	210	-5.36	40.00	3.10	0.00	0.00	0.00	0.00
310	211	5.14	50.00	2.97	0.00	0.00	0.00	0.00
311	212	0.00	50.00	-5.93	0.00	0.00	0.00	0.00
312	213	-5.14	50.00	2.97	0.00	0.00	0.00	0.00
313	214	4.92	60.00	2.84	0.00	0.00	0.00	0.00
314	215	0.00	60.00	-5.86	0.00	0.00	0.00	0.00
315	216	-4.92	60.00	2.84	0.00	0.00	0.00	0.00
316	217	4.69	70.00	2.71	0.00	0.00	0.00	0.00
317	218	0.00	70.00	-5.42	0.00	0.00	0.00	0.00
318	219	-4.69	70.00	2.71	0.00	0.00	0.00	0.00
319	220	4.47	80.00	2.58	0.00	0.00	0.00	0.00
320	221	0.00	80.00	-5.16	0.00	0.00	0.00	0.00
321	222	-4.47	80.00	2.58	0.00	0.00	0.00	0.00
322	223	4.25	90.00	2.45	0.00	0.00	0.00	0.00
323	224	0.00	90.00	-4.91	0.00	0.00	0.00	0.00
324	225	-4.25	90.00	2.45	0.00	0.00	0.00	0.00
325	226	4.03	100.00	2.33	0.00	0.00	0.00	0.00
326	227	0.00	100.00	-4.65	0.00	0.00	0.00	0.00
327	228	-4.03	100.00	2.33	0.00	0.00	0.00	0.00
328	229	3.81	110.00	2.20	0.00	0.00	0.00	0.00
329	230	0.00	110.00	-4.39	0.00	0.00	0.00	0.00
330	231	-3.81	110.00	2.20	0.00	0.00	0.00	0.00
331	232	3.58	120.00	2.07	0.00	0.00	0.00	0.00
332	233	0.00	120.00	-4.14	0.00	0.00	0.00	0.00
333	234	-3.58	120.00	2.07	0.00	0.00	0.00	0.00
334	235	3.36	130.00	1.94	0.00	0.00	0.00	0.00
335	236	0.00	130.00	-3.88	0.00	0.00	0.00	0.00
336	237	-3.36	130.00	1.94	0.00	0.00	0.00	0.00
337	238	3.14	140.00	1.81	0.00	0.00	0.00	0.00
338	239	0.00	140.00	-3.62	0.00	0.00	0.00	0.00
339	240	-3.14	140.00	1.81	0.00	0.00	0.00	0.00
340	241	2.92	150.00	1.68	0.00	0.00	0.00	0.00
341	242	0.00	150.00	-3.37	0.00	0.00	0.00	0.00
342	243	-2.92	150.00	1.68	0.00	0.00	0.00	0.00
343	244	2.69	160.00	1.56	0.00	0.00	0.00	0.00
344	245	0.00	160.00	-3.11	0.00	0.00	0.00	0.00
345	246	-2.69	160.00	1.56	0.00	0.00	0.00	0.00
401	247	0.00	20.00	3.35	0.00	0.00	0.00	0.00
402	248	2.90	20.00	-1.68	0.00	0.00	0.00	0.00
403	249	-2.90	20.00	-1.68	0.00	0.00	0.00	0.00
404	250	0.00	30.00	3.22	0.00	0.00	0.00	0.00

405	251	2.79	30.00	-1.61	0.00	0.00	0.00	0.00
406	252	-2.79	30.00	-1.61	0.00	0.00	0.00	0.00
407	253	0.00	40.00	3.10	0.00	0.00	0.00	0.00
408	254	2.68	40.00	-1.55	0.00	0.00	0.00	0.00
409	255	-2.68	40.00	-1.55	0.00	0.00	0.00	0.00
410	256	0.00	50.00	2.97	0.00	0.00	0.00	0.00
411	257	2.57	50.00	-1.48	0.00	0.00	0.00	0.00
412	258	-2.57	50.00	-1.48	0.00	0.00	0.00	0.00
413	259	0.00	60.00	2.84	0.00	0.00	0.00	0.00
414	260	2.46	60.00	-1.42	0.00	0.00	0.00	0.00
415	261	-2.46	60.00	-1.42	0.00	0.00	0.00	0.00
416	262	0.00	70.00	2.71	0.00	0.00	0.00	0.00
417	263	2.35	70.00	-1.36	0.00	0.00	0.00	0.00
418	264	-2.35	70.00	-1.36	0.00	0.00	0.00	0.00
419	265	0.00	80.00	2.58	0.00	0.00	0.00	0.00
420	266	2.24	80.00	-1.29	0.00	0.00	0.00	0.00
421	267	-2.24	80.00	-1.29	0.00	0.00	0.00	0.00
422	268	0.00	90.00	2.45	0.00	0.00	0.00	0.00
423	269	2.13	90.00	-1.23	0.00	0.00	0.00	0.00
424	270	-2.13	90.00	-1.23	0.00	0.00	0.00	0.00
425	271	0.00	100.00	2.33	0.00	0.00	0.00	0.00
426	272	2.01	100.00	-1.16	0.00	0.00	0.00	0.00
427	273	-2.01	100.00	-1.16	0.00	0.00	0.00	0.00
428	274	0.00	110.00	2.20	0.00	0.00	0.00	0.00
429	275	1.90	110.00	-1.10	0.00	0.00	0.00	0.00
430	276	-1.90	110.00	-1.10	0.00	0.00	0.00	0.00
431	277	0.00	120.00	2.07	0.00	0.00	0.00	0.00
432	278	1.79	120.00	-1.03	0.00	0.00	0.00	0.00
433	279	-1.79	120.00	-1.03	0.00	0.00	0.00	0.00
434	280	0.00	130.00	1.94	0.00	0.00	0.00	0.00
435	281	1.68	130.00	-0.97	0.00	0.00	0.00	0.00
436	282	-1.68	130.00	-0.97	0.00	0.00	0.00	0.00
437	283	0.00	140.00	1.81	0.00	0.00	0.00	0.00
438	284	1.57	140.00	-0.91	0.00	0.00	0.00	0.00
439	285	-1.57	140.00	-0.91	0.00	0.00	0.00	0.00
440	286	0.00	150.00	1.68	0.00	0.00	0.00	0.00
441	287	1.46	150.00	-0.84	0.00	0.00	0.00	0.00
442	288	-1.46	150.00	-0.84	0.00	0.00	0.00	0.00
443	289	0.00	160.00	1.56	0.00	0.00	0.00	0.00
444	290	1.35	160.00	-0.78	0.00	0.00	0.00	0.00
445	291	-1.35	160.00	-0.78	0.00	0.00	0.00	0.00
504	292	0.00	166.67	5.88	0.00	0.00	0.00	0.00
505	293	5.09	166.67	-2.94	0.00	0.00	0.00	0.00
506	294	-5.09	166.67	-2.94	0.00	0.00	0.00	0.00
507	295	0.00	173.33	5.54	0.00	0.00	0.00	0.00
508	296	4.80	173.33	-2.77	0.00	0.00	0.00	0.00
509	297	-4.80	173.33	-2.77	0.00	0.00	0.00	0.00
510	298	0.00	180.00	5.20	0.00	0.00	0.00	0.00
511	299	4.50	180.00	-2.60	0.00	0.00	0.00	0.00
512	300	-4.50	180.00	-2.60	0.00	0.00	0.00	0.00
601	301	2.90	20.00	8.38	0.00	0.00	0.00	0.00
602	302	8.71	20.00	-1.67	0.00	0.00	0.00	0.00
603	303	5.81	20.00	-6.70	0.00	0.00	0.00	0.00
604	304	-5.81	20.00	-6.70	0.00	0.00	0.00	0.00
605	305	-8.71	20.00	-1.67	0.00	0.00	0.00	0.00
606	306	-2.90	20.00	8.38	0.00	0.00	0.00	0.00

TOTAL NUMBER OF ACTIVE NODES = 306
TOTAL NUMBER OF EQUATIONS = 1818

2 NODE PRISMATIC BEAM ELEMENT

ELEM NO	NE NO	PE NO	ALPHA	BETA	GAMMA	LENGTH	MAT TYPE	PROP TYPE	RELEASE NE	RELEASE PE	REF TEMP	REF DIR	OFFSET NE	OFFSET PE	STIFFNESS NE	STIFFNESS PE
Units:			Deg	Deg	Deg	Ft					F		Ft	Ft	K /In /Deg	K /In /Deg
1	1	4	180.00	-87.14	0.00	5.01	1	1								
2	2	5	-59.42	-87.07	0.00	5.01	1	1								
3	3	6	63.43	-87.18	0.00	5.01	1	1								
4	4	7	180.00	-87.02	0.00	5.01	1	1								
5	5	8	-59.42	-87.07	0.00	5.01	1	1								
6	6	9	59.42	-87.07	0.00	5.01	1	1								
7	7	10	180.00	-87.02	0.00	5.01	1	1								
8	8	11	-60.52	-86.98	0.00	5.01	1	1								
9	9	12	60.52	-86.98	0.00	5.01	1	1								
10	10	13	180.00	-87.14	0.00	5.01	1	1								
11	11	14	-59.42	-87.07	0.00	5.01	1	1								
12	12	15	59.42	-87.07	0.00	5.01	1	1								
13	13	16	180.00	-87.02	0.00	5.01	1	2								
14	14	17	-61.39	-87.13	0.00	5.01	1	2								
15	15	18	61.39	-87.13	0.00	5.01	1	2								
16	16	19	180.00	-87.02	0.00	5.01	1	2								
17	17	20	-59.42	-87.07	0.00	5.01	1	2								
18	18	21	59.42	-87.07	0.00	5.01	1	2								
19	19	22	180.00	-87.14	0.00	5.01	1	2								

20	20	23	-60.52	-86.98	0.00	5.01	1	2
21	21	24	60.52	-86.98	0.00	5.01	1	2
22	22	25	180.00	-87.02	0.00	5.01	1	2
23	23	26	-59.42	-87.07	0.00	5.01	1	2
24	24	27	59.42	-87.07	0.00	5.01	1	2
25	25	28	180.00	-87.02	0.00	5.01	1	3
26	26	29	-59.42	-87.07	0.00	5.01	1	3
27	27	30	59.42	-87.07	0.00	5.01	1	3
28	28	31	180.00	-87.14	0.00	5.01	1	3
29	29	32	-59.42	-87.07	0.00	5.01	1	3
30	30	33	59.42	-87.07	0.00	5.01	1	3
31	31	34	180.00	-87.02	0.00	5.01	1	3
32	32	35	-61.39	-87.13	0.00	5.01	1	3
33	33	36	61.39	-87.13	0.00	5.01	1	3
34	34	37	180.00	-87.02	0.00	5.01	1	3
35	35	38	-60.52	-86.98	0.00	5.01	1	3
36	36	39	60.52	-86.98	0.00	5.01	1	3
37	37	40	180.00	-87.14	0.00	5.01	1	4
38	38	41	-59.42	-87.07	0.00	5.01	1	4
39	39	42	59.42	-87.07	0.00	5.01	1	4
40	40	43	180.00	-87.02	0.00	5.01	1	4
41	41	44	-59.42	-87.07	0.00	5.01	1	4
42	42	45	59.42	-87.07	0.00	5.01	1	4
43	43	46	180.00	-87.02	0.00	5.01	1	4
44	44	47	-59.42	-87.07	0.00	5.01	1	4
45	45	48	59.42	-87.07	0.00	5.01	1	4
46	46	49	180.00	-87.14	0.00	5.01	1	4
47	47	50	-60.52	-86.98	0.00	5.01	1	4
48	48	51	60.52	-86.98	0.00	5.01	1	4
49	49	52	180.00	-87.02	0.00	5.01	1	4
50	50	53	-61.39	-87.13	0.00	5.01	1	4
51	51	54	61.39	-87.13	0.00	5.01	1	4
52	52	55	180.00	-87.02	0.00	5.01	1	4
53	53	56	-59.42	-87.07	0.00	5.01	1	4
54	54	57	59.42	-87.07	0.00	5.01	1	4
55	55	58	180.00	-87.14	0.00	5.01	1	4
56	56	59	-59.42	-87.07	0.00	5.01	1	4
57	57	60	59.42	-87.07	0.00	5.01	1	4
58	58	61	180.00	-87.02	0.00	5.01	1	4
59	59	62	-59.42	-87.07	0.00	5.01	1	4
60	60	63	59.42	-87.07	0.00	5.01	1	4
61	61	64	180.00	-87.14	0.00	5.01	1	5
62	62	65	-60.52	-86.98	0.00	5.01	1	5
63	63	66	60.52	-86.98	0.00	5.01	1	5
64	64	67	180.00	-87.02	0.00	5.01	1	5
65	65	68	-59.42	-87.07	0.00	5.01	1	5
66	66	69	59.42	-87.07	0.00	5.01	1	5
67	67	70	180.00	-87.02	0.00	5.01	1	5
68	68	71	-61.39	-87.13	0.00	5.01	1	5
69	69	72	61.39	-87.13	0.00	5.01	1	5
70	70	73	180.00	-87.14	0.00	5.01	1	5
71	71	74	-59.42	-87.07	0.00	5.01	1	5
72	72	75	59.42	-87.07	0.00	5.01	1	5
73	73	76	180.00	-87.02	0.00	5.01	1	6
74	74	77	-60.52	-86.98	0.00	5.01	1	6
75	75	78	60.52	-86.98	0.00	5.01	1	6
76	76	79	180.00	-87.02	0.00	5.01	1	6
77	77	80	-59.42	-87.07	0.00	5.01	1	6
78	78	81	59.42	-87.07	0.00	5.01	1	6
79	79	82	180.00	-87.14	0.00	5.01	1	6
80	80	83	-59.42	-87.07	0.00	5.01	1	6
81	81	84	59.42	-87.07	0.00	5.01	1	6
82	82	85	180.00	-87.02	0.00	5.01	1	6
83	83	86	-59.42	-87.07	0.00	5.01	1	6
84	84	87	59.42	-87.07	0.00	5.01	1	6
85	85	88	180.00	-87.02	0.00	5.01	1	7
86	86	89	-61.39	-87.13	0.00	5.01	1	7
87	87	90	61.39	-87.13	0.00	5.01	1	7
88	88	91	180.00	-87.14	0.00	5.01	1	7
89	89	92	-60.52	-86.98	0.00	5.01	1	7
90	90	93	60.52	-86.98	0.00	5.01	1	7
91	91	94	180.00	-87.02	0.00	5.01	1	7
92	92	95	-59.42	-87.07	0.00	5.01	1	7
93	93	96	59.42	-87.07	0.00	5.01	1	7
94	94	97	180.00	-87.02	0.00	5.01	1	7
95	95	98	-59.42	-87.07	0.00	5.01	1	7
96	96	99	59.42	-87.07	0.00	5.01	1	7
101	4	101	150.08	0.00	0.00	2.91	1	26
102	102	5	150.08	0.00	0.00	2.91	1	26
103	5	103	-90.00	0.00	0.00	2.91	1	26
104	104	6	-90.00	0.00	0.00	2.91	1	26
105	6	105	29.92	0.00	0.00	2.91	1	26
106	106	4	29.92	0.00	0.00	2.91	1	26
107	7	107	150.03	0.00	0.00	5.81	1	26
108	108	8	149.95	0.00	0.00	5.81	1	26
109	8	109	-90.00	0.00	0.00	5.81	1	26

110	110	9	-90.00	0.00	0.00	5.81	1	26
111	9	111	30.05	0.00	0.00	5.81	1	26
112	112	7	29.97	0.00	0.00	5.81	1	26
113	10	113	149.96	0.00	0.00	8.71	1	26
114	114	11	150.02	0.00	0.00	8.70	1	26
115	11	115	-90.00	0.00	0.00	8.71	1	26
116	116	12	-90.00	0.00	0.00	8.71	1	26
117	12	117	29.98	0.00	0.00	8.70	1	26
118	118	10	30.04	0.00	0.00	8.71	1	26
119	16	119	149.99	0.00	0.00	5.58	1	32
120	120	17	150.04	0.00	0.00	5.59	1	32
121	17	121	-90.00	0.00	0.00	5.59	1	32
122	122	18	-90.00	0.00	0.00	5.59	1	32
123	18	123	29.96	0.00	0.00	5.59	1	32
124	124	16	30.01	0.00	0.00	5.58	1	32
125	22	125	149.99	0.00	0.00	5.36	1	32
126	126	23	150.14	0.00	0.00	5.36	1	32
127	23	127	-90.11	0.00	0.00	5.36	1	32
128	128	24	-89.89	0.00	0.00	5.36	1	32
129	24	129	29.86	0.00	0.00	5.36	1	32
130	130	22	30.01	0.00	0.00	5.36	1	32
131	28	131	149.84	0.00	0.00	5.14	1	32
132	132	29	150.09	0.00	0.00	5.13	1	32
133	29	133	-90.22	0.00	0.00	5.14	1	32
134	134	30	-89.78	0.00	0.00	5.14	1	32
135	30	135	29.91	0.00	0.00	5.13	1	32
136	136	28	30.16	0.00	0.00	5.14	1	32
137	34	137	149.78	0.00	0.00	4.91	1	32
138	138	35	150.15	0.00	0.00	4.92	1	32
139	35	139	-90.12	0.00	0.00	4.93	1	32
140	140	36	-89.88	0.00	0.00	4.93	1	32
141	36	141	29.85	0.00	0.00	4.92	1	32
142	142	34	30.22	0.00	0.00	4.91	1	32
143	40	143	149.77	0.00	0.00	4.69	1	43
144	144	41	150.27	0.00	0.00	4.70	1	43
145	41	145	-90.24	0.00	0.00	4.70	1	43
146	146	42	-89.76	0.00	0.00	4.70	1	43
147	42	147	29.73	0.00	0.00	4.70	1	43
148	148	40	30.23	0.00	0.00	4.69	1	43
149	46	149	149.59	0.00	0.00	4.46	1	43
150	150	47	150.22	0.00	0.00	4.47	1	43
151	47	151	-90.38	0.00	0.00	4.48	1	43
152	152	48	-89.62	0.00	0.00	4.48	1	43
153	48	153	29.78	0.00	0.00	4.47	1	43
154	154	46	30.41	0.00	0.00	4.46	1	43
155	52	155	149.57	0.00	0.00	4.24	1	33
156	156	53	150.54	0.00	0.00	4.25	1	33
157	53	157	-90.40	0.00	0.00	4.25	1	33
158	158	54	-89.60	0.00	0.00	4.25	1	33
159	54	159	29.46	0.00	0.00	4.25	1	33
160	160	52	30.43	0.00	0.00	4.24	1	33
161	58	161	149.55	0.00	0.00	4.03	1	33
162	162	59	150.57	0.00	0.00	4.03	1	33
163	59	163	-90.57	0.00	0.00	4.03	1	33
164	164	60	-89.43	0.00	0.00	4.03	1	33
165	60	165	29.43	0.00	0.00	4.03	1	33
166	166	58	30.45	0.00	0.00	4.03	1	33
167	64	167	149.40	0.00	0.00	3.81	1	45
168	168	65	150.67	0.00	0.00	3.80	1	45
169	65	169	-90.75	0.00	0.00	3.81	1	45
170	170	66	-89.25	0.00	0.00	3.81	1	45
171	66	171	29.33	0.00	0.00	3.80	1	45
172	172	64	30.60	0.00	0.00	3.81	1	45
173	70	173	149.28	0.00	0.00	3.58	1	45
174	174	71	150.79	0.00	0.00	3.59	1	45
175	71	175	-90.64	0.00	0.00	3.59	1	45
176	176	72	-89.36	0.00	0.00	3.59	1	45
177	72	177	29.21	0.00	0.00	3.59	1	45
178	178	70	30.72	0.00	0.00	3.58	1	45
179	76	179	149.15	0.00	0.00	3.35	1	45
180	180	77	151.00	0.00	0.00	3.36	1	45
181	77	181	-90.85	0.00	0.00	3.36	1	45
182	182	78	-89.15	0.00	0.00	3.36	1	45
183	78	183	29.00	0.00	0.00	3.36	1	45
184	184	76	30.85	0.00	0.00	3.35	1	45
185	82	185	148.94	0.00	0.00	3.14	1	45
186	186	83	150.98	0.00	0.00	3.13	1	45
187	83	187	-91.09	0.00	0.00	3.14	1	45
188	188	84	-88.91	0.00	0.00	3.14	1	45
189	84	189	29.02	0.00	0.00	3.13	1	45
190	190	82	31.06	0.00	0.00	3.14	1	45
191	88	191	148.77	0.00	0.00	2.91	1	45
192	192	89	151.15	0.00	0.00	2.92	1	45
193	89	193	-91.18	0.00	0.00	2.92	1	45
194	194	90	-88.82	0.00	0.00	2.92	1	45
195	90	195	28.85	0.00	0.00	2.92	1	45

196	196	88	31.23	0.00	0.00	2.91	1	45
197	94	197	148.67	0.00	0.00	2.69	1	45
198	198	95	151.44	0.00	0.00	2.70	1	45
199	95	199	-91.49	0.00	0.00	2.70	1	45
200	200	96	-88.51	0.00	0.00	2.70	1	45
201	96	201	28.56	0.00	0.00	2.70	1	45
202	202	94	31.33	0.00	0.00	2.69	1	45
301	1	101	152.37	-57.98	0.00	5.90	1	11
302	102	2	147.78	57.93	0.00	5.90	1	11
303	2	103	-87.62	-57.93	0.00	5.90	1	11
304	104	3	-92.01	57.94	0.00	5.90	1	11
305	3	105	32.41	-58.07	0.00	5.89	1	11
306	106	1	27.63	57.98	0.00	5.90	1	11
307	101	107	152.37	-57.98	0.00	5.90	1	11
308	102	108	-32.47	-57.96	0.00	5.90	1	11
309	103	109	-87.61	-58.01	0.00	5.90	1	11
310	104	110	87.61	-58.01	0.00	5.90	1	11
311	105	111	32.47	-57.96	0.00	5.90	1	11
312	106	112	-152.37	-57.98	0.00	5.90	1	11
313	107	113	152.21	-57.94	0.00	5.90	1	11
314	108	114	-32.32	-58.00	0.00	5.90	1	11
315	109	115	-87.62	-57.93	0.00	5.90	1	11
316	110	116	87.62	-57.93	0.00	5.90	1	11
317	111	117	32.32	-58.00	0.00	5.90	1	11
318	112	118	-152.21	-57.94	0.00	5.90	1	11
319	113	301	152.37	-57.98	0.00	5.90	1	11
320	114	301	-32.32	-58.00	0.00	5.90	1	11
321	115	302	-87.61	-58.01	0.00	5.90	1	11
322	116	302	87.61	-58.01	0.00	5.90	1	11
323	117	303	32.32	-58.00	0.00	5.90	1	11
324	118	303	-152.37	-57.98	0.00	5.90	1	11
325	13	119	151.27	-40.74	0.00	7.66	1	11
326	120	14	148.75	40.75	0.00	7.66	1	11
327	14	121	-88.82	-40.71	0.00	7.67	1	11
328	122	15	-91.18	40.71	0.00	7.67	1	11
329	15	123	31.25	-40.75	0.00	7.66	1	11
330	124	13	28.73	40.74	0.00	7.66	1	11
331	119	304	151.32	-40.70	0.00	7.67	1	11
332	120	304	-31.34	-40.73	0.00	7.66	1	11
333	121	305	-88.72	-40.76	0.00	7.66	1	11
334	122	305	88.72	-40.76	0.00	7.66	1	11
335	123	306	31.34	-40.73	0.00	7.66	1	11
336	124	306	-151.32	-40.70	0.00	7.67	1	11
337	19	125	151.27	-41.88	0.00	7.49	1	11
338	126	20	148.76	41.81	0.00	7.50	1	11
339	20	127	-88.77	-41.80	0.00	7.50	1	11
340	128	21	-91.23	41.80	0.00	7.50	1	11
341	21	129	31.24	-41.81	0.00	7.50	1	11
342	130	19	28.73	41.88	0.00	7.49	1	11
343	125	307	151.32	-41.84	0.00	7.50	1	11
344	126	307	-31.39	-41.82	0.00	7.50	1	11
345	127	308	-88.56	-41.85	0.00	7.49	1	11
346	128	308	88.56	-41.85	0.00	7.49	1	11
347	129	309	31.39	-41.82	0.00	7.50	1	11
348	130	309	-151.32	-41.84	0.00	7.50	1	11
349	25	131	151.24	-43.00	0.00	7.33	1	12
350	132	26	148.74	43.02	0.00	7.33	1	12
351	26	133	-88.82	-43.00	0.00	7.33	1	12
352	134	27	-91.18	43.00	0.00	7.33	1	12
353	27	135	31.26	-43.02	0.00	7.33	1	12
354	136	25	28.76	43.00	0.00	7.33	1	12
355	131	310	151.47	-43.01	0.00	7.33	1	12
356	132	310	-31.44	-42.97	0.00	7.34	1	12
357	133	311	-88.40	-43.00	0.00	7.33	1	12
358	134	311	88.40	-43.00	0.00	7.33	1	12
359	135	312	31.44	-42.97	0.00	7.34	1	12
360	136	312	-151.47	-43.01	0.00	7.33	1	12
361	31	137	151.24	-44.25	0.00	7.17	1	12
362	138	32	148.69	44.22	0.00	7.17	1	12
363	32	139	-88.78	-44.15	0.00	7.18	1	12
364	140	33	-91.22	44.15	0.00	7.18	1	12
365	33	141	31.31	-44.22	0.00	7.17	1	12
366	142	31	28.76	44.25	0.00	7.17	1	12
367	137	313	151.59	-44.15	0.00	7.18	1	12
368	138	313	-31.56	-44.21	0.00	7.17	1	12
369	139	314	-90.45	-44.26	0.00	7.16	1	12
370	140	314	90.45	-44.26	0.00	7.16	1	12
371	141	315	31.56	-44.21	0.00	7.17	1	12
372	142	315	-151.59	-44.15	0.00	7.18	1	12
373	37	143	151.24	-45.55	0.00	7.00	1	12
374	144	38	148.80	45.45	0.00	7.02	1	12
375	38	145	-88.72	-45.45	0.00	7.02	1	12
376	146	39	-91.28	45.45	0.00	7.02	1	12
377	39	147	31.20	-45.45	0.00	7.02	1	12
378	148	37	28.76	45.55	0.00	7.00	1	12
379	143	316	151.77	-45.43	0.00	7.02	1	12

380	144	316	-31.78	-45.48	0.00	7.01	1	12
381	145	317	-88.25	-45.51	0.00	7.01	1	12
382	146	317	88.25	-45.51	0.00	7.01	1	12
383	147	318	31.78	-45.48	0.00	7.01	1	12
384	148	318	-151.77	-45.43	0.00	7.02	1	12
385	43	149	151.19	-46.83	0.00	6.86	1	12
386	150	44	148.68	46.81	0.00	6.86	1	12
387	44	151	-88.78	-46.76	0.00	6.86	1	12
388	152	45	-91.22	46.76	0.00	6.86	1	12
389	45	153	31.32	-46.81	0.00	6.86	1	12
390	154	43	28.81	46.83	0.00	6.86	1	12
391	149	319	151.96	-46.76	0.00	6.86	1	12
392	150	319	-31.86	-46.78	0.00	6.86	1	12
393	151	320	-88.05	-46.82	0.00	6.86	1	12
394	152	320	88.05	-46.82	0.00	6.86	1	12
395	153	321	31.86	-46.78	0.00	6.86	1	12
396	154	321	-151.96	-46.76	0.00	6.86	1	12
397	49	155	151.26	-48.20	0.00	6.71	1	12
398	156	50	148.84	48.24	0.00	6.70	1	12
399	50	157	-88.85	-48.20	0.00	6.71	1	12
400	158	51	-91.15	48.20	0.00	6.71	1	12
401	51	159	31.16	-48.24	0.00	6.70	1	12
402	160	49	28.74	48.20	0.00	6.71	1	12
403	155	322	152.06	-48.12	0.00	6.72	1	12
404	156	322	-32.13	-48.17	0.00	6.71	1	12
405	157	323	-87.95	-48.19	0.00	6.71	1	12
406	158	323	87.95	-48.19	0.00	6.71	1	12
407	159	324	32.13	-48.17	0.00	6.71	1	12
408	160	324	-152.06	-48.12	0.00	6.72	1	12
409	55	161	151.26	-49.68	0.00	6.56	1	12
410	162	56	148.85	49.61	0.00	6.56	1	12
411	56	163	-88.79	-49.63	0.00	6.56	1	12
412	164	57	-91.21	49.63	0.00	6.56	1	12
413	57	165	31.15	-49.61	0.00	6.56	1	12
414	166	55	28.74	49.68	0.00	6.56	1	12
415	161	325	152.11	-49.61	0.00	6.56	1	12
416	162	325	-32.23	-49.60	0.00	6.57	1	12
417	163	326	-87.71	-49.61	0.00	6.56	1	12
418	164	326	87.71	-49.61	0.00	6.56	1	12
419	165	327	32.23	-49.60	0.00	6.57	1	12
420	166	327	-152.11	-49.61	0.00	6.56	1	12
421	61	167	151.21	-51.15	0.00	6.42	1	13
422	168	62	148.72	51.17	0.00	6.42	1	13
423	62	169	-88.87	-51.06	0.00	6.43	1	13
424	170	63	-91.13	51.06	0.00	6.43	1	13
425	63	171	31.28	-51.17	0.00	6.42	1	13
426	172	61	28.79	51.15	0.00	6.42	1	13
427	167	328	152.35	-51.13	0.00	6.42	1	13
428	168	328	-32.35	-51.09	0.00	6.43	1	13
429	169	329	-87.44	-51.17	0.00	6.42	1	13
430	170	329	87.44	-51.17	0.00	6.42	1	13
431	171	330	32.35	-51.09	0.00	6.43	1	13
432	172	330	-152.35	-51.13	0.00	6.42	1	13
433	67	173	151.28	-52.70	0.00	6.29	1	13
434	174	68	148.78	52.76	0.00	6.28	1	13
435	68	175	-88.80	-52.69	0.00	6.29	1	13
436	176	69	-91.20	52.69	0.00	6.29	1	13
437	69	177	31.22	-52.76	0.00	6.28	1	13
438	178	67	28.72	52.70	0.00	6.29	1	13
439	173	331	152.63	-52.72	0.00	6.28	1	13
440	174	331	-32.69	-52.66	0.00	6.29	1	13
441	175	332	-87.44	-52.74	0.00	6.28	1	13
442	176	332	87.44	-52.74	0.00	6.28	1	13
443	177	333	32.69	-52.66	0.00	6.29	1	13
444	178	333	-152.63	-52.72	0.00	6.28	1	13
445	73	179	151.29	-54.40	0.00	6.15	1	14
446	180	74	148.79	54.33	0.00	6.16	1	14
447	74	181	-88.72	-54.31	0.00	6.16	1	14
448	182	75	-91.28	54.31	0.00	6.16	1	14
449	75	183	31.21	-54.33	0.00	6.16	1	14
450	184	73	28.71	54.40	0.00	6.15	1	14
451	179	334	152.86	-54.28	0.00	6.16	1	14
452	180	334	-32.94	-54.35	0.00	6.15	1	14
453	181	335	-87.12	-54.36	0.00	6.15	1	14
454	182	335	87.12	-54.36	0.00	6.15	1	14
455	183	336	32.94	-54.35	0.00	6.15	1	14
456	184	336	-152.86	-54.28	0.00	6.16	1	14
457	79	185	151.14	-56.12	0.00	6.02	1	14
458	186	80	148.77	56.13	0.00	6.02	1	14
459	80	187	-88.81	-56.09	0.00	6.02	1	14
460	188	81	-91.19	56.09	0.00	6.02	1	14
461	81	189	31.23	-56.13	0.00	6.02	1	14
462	190	79	28.86	56.12	0.00	6.02	1	14
463	185	337	153.21	-56.00	0.00	6.03	1	14
464	186	337	-33.12	-56.04	0.00	6.03	1	14
465	187	338	-86.76	-56.06	0.00	6.03	1	14

466	188	338	86.76	-56.06	0.00	6.03	1	14
467	189	339	33.12	-56.04	0.00	6.03	1	14
468	190	339	-153.21	-56.00	0.00	6.03	1	14
469	85	191	151.23	-57.89	0.00	5.90	1	15
470	192	86	148.69	57.90	0.00	5.90	1	15
471	86	193	-88.91	-57.87	0.00	5.90	1	15
472	194	87	-91.09	57.87	0.00	5.90	1	15
473	87	195	31.31	-57.90	0.00	5.90	1	15
474	196	85	28.77	57.89	0.00	5.90	1	15
475	191	340	153.43	-57.77	0.00	5.91	1	15
476	192	340	-33.44	-57.87	0.00	5.90	1	15
477	193	341	-86.54	-57.82	0.00	5.91	1	15
478	194	341	86.54	-57.82	0.00	5.91	1	15
479	195	342	33.44	-57.87	0.00	5.90	1	15
480	196	342	-153.43	-57.77	0.00	5.91	1	15
481	91	197	151.33	-59.73	0.00	5.79	1	15
482	198	92	148.87	59.71	0.00	5.79	1	15
483	92	199	-88.82	-59.71	0.00	5.79	1	15
484	200	93	-91.18	59.71	0.00	5.79	1	15
485	93	201	31.13	-59.71	0.00	5.79	1	15
486	202	91	28.67	59.73	0.00	5.79	1	15
487	197	343	153.79	-59.71	0.00	5.79	1	15
488	198	343	-33.85	-59.66	0.00	5.79	1	15
489	199	344	-86.07	-59.74	0.00	5.79	1	15
490	200	344	86.07	-59.74	0.00	5.79	1	15
491	201	345	33.85	-59.66	0.00	5.79	1	15
492	202	345	-153.79	-59.71	0.00	5.79	1	15
501	13	601	150.03	0.00	0.00	5.81	1	14
502	301	602	149.99	0.00	0.00	5.80	1	14
503	14	603	-90.00	0.00	0.00	5.80	1	14
504	302	604	-90.00	0.00	0.00	5.81	1	14
505	15	605	29.97	0.00	0.00	5.81	1	14
506	303	606	30.05	0.00	0.00	5.81	1	14
507	19	304	150.01	0.00	0.00	11.16	1	12
508	304	20	149.97	0.00	0.00	11.17	1	12
509	20	305	-90.00	0.00	0.00	11.17	1	12
510	305	21	-90.00	0.00	0.00	11.17	1	12
511	21	306	30.03	0.00	0.00	11.17	1	12
512	306	19	29.99	0.00	0.00	11.16	1	12
513	25	307	149.99	0.00	0.00	10.72	1	12
514	307	26	150.02	0.00	0.00	10.73	1	12
515	26	308	-90.00	0.00	0.00	10.72	1	12
516	308	27	-90.00	0.00	0.00	10.72	1	12
517	27	309	29.98	0.00	0.00	10.73	1	12
518	309	25	30.01	0.00	0.00	10.72	1	12
519	31	310	149.99	0.00	0.00	10.28	1	23
520	310	32	149.99	0.00	0.00	10.28	1	23
521	32	311	-90.00	0.00	0.00	10.28	1	23
522	311	33	-90.00	0.00	0.00	10.28	1	23
523	33	312	30.01	0.00	0.00	10.28	1	23
524	312	31	30.01	0.00	0.00	10.28	1	23
525	37	313	149.97	0.00	0.00	9.83	1	23
526	313	38	150.05	0.00	0.00	9.83	1	23
527	38	314	-91.05	0.00	0.00	9.83	1	23
528	314	39	-88.95	0.00	0.00	9.83	1	23
529	39	315	29.95	0.00	0.00	9.83	1	23
530	315	37	30.03	0.00	0.00	9.83	1	23
531	43	316	150.02	0.00	0.00	9.39	1	23
532	316	44	149.97	0.00	0.00	9.39	1	23
533	44	317	-90.00	0.00	0.00	9.39	1	23
534	317	45	-90.00	0.00	0.00	9.39	1	23
535	45	318	30.03	0.00	0.00	9.39	1	23
536	318	43	29.98	0.00	0.00	9.39	1	23
537	49	319	150.02	0.00	0.00	8.95	1	23
538	319	50	149.99	0.00	0.00	8.94	1	23
539	50	320	-90.00	0.00	0.00	8.94	1	23
540	320	51	-90.00	0.00	0.00	8.94	1	23
541	51	321	30.01	0.00	0.00	8.94	1	23
542	321	49	29.98	0.00	0.00	8.95	1	23
543	55	322	150.00	0.00	0.00	8.50	1	13
544	322	56	150.00	0.00	0.00	8.50	1	13
545	56	323	-90.00	0.00	0.00	8.50	1	13
546	323	57	-90.00	0.00	0.00	8.50	1	13
547	57	324	30.00	0.00	0.00	8.50	1	13
548	324	55	30.00	0.00	0.00	8.50	1	13
549	61	325	149.96	0.00	0.00	8.05	1	13
550	325	62	150.00	0.00	0.00	8.06	1	13
551	62	326	-90.00	0.00	0.00	8.06	1	13
552	326	63	-90.00	0.00	0.00	8.06	1	13
553	63	327	30.00	0.00	0.00	8.06	1	13
554	327	61	30.04	0.00	0.00	8.05	1	13
555	67	328	149.97	0.00	0.00	7.61	1	15
556	328	68	150.03	0.00	0.00	7.61	1	15
557	68	329	-90.00	0.00	0.00	7.61	1	15
558	329	69	-90.00	0.00	0.00	7.61	1	15
559	69	330	29.97	0.00	0.00	7.61	1	15

560	330	67	30.03	0.00	0.00	7.61	1	15
561	73	331	150.04	0.00	0.00	7.17	1	15
562	331	74	149.97	0.00	0.00	7.17	1	15
563	74	332	-90.00	0.00	0.00	7.17	1	15
564	332	75	-90.00	0.00	0.00	7.17	1	15
565	75	333	30.03	0.00	0.00	7.17	1	15
566	333	73	29.96	0.00	0.00	7.17	1	15
567	79	334	150.00	0.00	0.00	6.72	1	26
568	334	80	150.00	0.00	0.00	6.72	1	26
569	80	335	-90.00	0.00	0.00	6.72	1	26
570	335	81	-90.00	0.00	0.00	6.72	1	26
571	81	336	30.00	0.00	0.00	6.72	1	26
572	336	79	30.00	0.00	0.00	6.72	1	26
573	85	337	150.01	0.00	0.00	6.28	1	26
574	337	86	149.96	0.00	0.00	6.27	1	26
575	86	338	-90.00	0.00	0.00	6.28	1	26
576	338	87	-90.00	0.00	0.00	6.28	1	26
577	87	339	30.04	0.00	0.00	6.27	1	26
578	339	85	29.99	0.00	0.00	6.28	1	26
579	91	340	150.01	0.00	0.00	5.84	1	27
580	340	92	150.05	0.00	0.00	5.83	1	27
581	92	341	-90.00	0.00	0.00	5.83	1	27
582	341	93	-90.00	0.00	0.00	5.83	1	27
583	93	342	29.95	0.00	0.00	5.83	1	27
584	342	91	29.99	0.00	0.00	5.84	1	27
585	97	343	150.00	0.00	0.00	5.38	1	27
586	343	98	149.97	0.00	0.00	5.39	1	27
587	98	344	-90.00	0.00	0.00	5.39	1	27
588	344	99	-90.00	0.00	0.00	5.39	1	27
589	99	345	30.03	0.00	0.00	5.39	1	27
590	345	97	30.00	0.00	0.00	5.38	1	27
601	301	402	-149.95	0.00	0.00	5.81	1	33
602	402	302	-149.99	0.00	0.00	5.80	1	33
603	302	403	-30.01	0.00	0.00	5.80	1	33
604	403	303	-30.05	0.00	0.00	5.81	1	33
605	303	401	90.00	0.00	0.00	5.81	1	33
606	401	301	90.00	0.00	0.00	5.81	1	33
607	304	405	-149.99	0.00	0.00	5.58	1	33
608	405	305	-150.04	0.00	0.00	5.59	1	33
609	305	406	-29.96	0.00	0.00	5.59	1	33
610	406	306	-30.01	0.00	0.00	5.58	1	33
611	306	404	90.00	0.00	0.00	5.58	1	33
612	404	304	90.00	0.00	0.00	5.58	1	33
613	307	408	-150.04	0.00	0.00	5.37	1	33
614	408	308	-149.99	0.00	0.00	5.36	1	33
615	308	409	-30.01	0.00	0.00	5.36	1	33
616	409	309	-29.96	0.00	0.00	5.37	1	33
617	309	407	90.00	0.00	0.00	5.36	1	33
618	407	307	90.00	0.00	0.00	5.36	1	33
619	310	411	-149.99	0.00	0.00	5.14	1	33
620	411	311	-149.99	0.00	0.00	5.14	1	33
621	311	412	-30.01	0.00	0.00	5.14	1	33
622	412	312	-30.01	0.00	0.00	5.14	1	33
623	312	410	90.00	0.00	0.00	5.14	1	33
624	410	310	90.00	0.00	0.00	5.14	1	33
625	313	414	-150.00	0.00	0.00	4.92	1	33
626	414	314	-151.01	0.00	0.00	5.08	1	33
627	314	415	-28.99	0.00	0.00	5.08	1	33
628	415	315	-30.00	0.00	0.00	4.92	1	33
629	315	413	90.00	0.00	0.00	4.92	1	33
630	413	313	90.00	0.00	0.00	4.92	1	33
631	316	417	-150.10	0.00	0.00	4.69	1	33
632	417	317	-149.94	0.00	0.00	4.69	1	33
633	317	418	-30.06	0.00	0.00	4.69	1	33
634	418	318	-29.90	0.00	0.00	4.69	1	33
635	318	416	90.00	0.00	0.00	4.69	1	33
636	416	316	90.00	0.00	0.00	4.69	1	33
637	319	420	-150.05	0.00	0.00	4.47	1	33
638	420	320	-149.94	0.00	0.00	4.47	1	33
639	320	421	-30.06	0.00	0.00	4.47	1	33
640	421	321	-29.95	0.00	0.00	4.47	1	33
641	321	419	90.00	0.00	0.00	4.47	1	33
642	419	319	90.00	0.00	0.00	4.47	1	33
643	322	423	-150.05	0.00	0.00	4.25	1	33
644	423	323	-149.94	0.00	0.00	4.25	1	33
645	323	424	-30.06	0.00	0.00	4.25	1	33
646	424	324	-29.95	0.00	0.00	4.25	1	33
647	324	422	90.00	0.00	0.00	4.25	1	33
648	422	322	90.00	0.00	0.00	4.25	1	33
649	325	426	-149.94	0.00	0.00	4.03	1	33
650	426	326	-150.06	0.00	0.00	4.03	1	33
651	326	427	-29.94	0.00	0.00	4.03	1	33
652	427	327	-30.06	0.00	0.00	4.03	1	33
653	327	425	90.00	0.00	0.00	4.03	1	33
654	425	325	90.00	0.00	0.00	4.03	1	33
655	328	429	-149.94	0.00	0.00	3.81	1	33

656	429	329	-149.99	0.00	0.00	3.80	1	33
657	329	430	-30.01	0.00	0.00	3.80	1	33
658	430	330	-30.06	0.00	0.00	3.81	1	33
659	330	428	90.00	0.00	0.00	3.81	1	33
660	428	328	90.00	0.00	0.00	3.81	1	33
661	331	432	-150.00	0.00	0.00	3.58	1	33
662	432	332	-150.08	0.00	0.00	3.59	1	33
663	332	433	-29.92	0.00	0.00	3.59	1	33
664	433	333	-30.00	0.00	0.00	3.58	1	33
665	333	431	90.00	0.00	0.00	3.58	1	33
666	431	331	90.00	0.00	0.00	3.58	1	33
667	334	435	-150.00	0.00	0.00	3.36	1	33
668	435	335	-150.00	0.00	0.00	3.36	1	33
669	335	436	-30.00	0.00	0.00	3.36	1	33
670	436	336	-30.00	0.00	0.00	3.36	1	33
671	336	434	90.00	0.00	0.00	3.36	1	33
672	434	334	90.00	0.00	0.00	3.36	1	33
673	337	438	-150.01	0.00	0.00	3.14	1	33
674	438	338	-149.91	0.00	0.00	3.13	1	33
675	338	439	-30.09	0.00	0.00	3.13	1	33
676	439	339	-29.99	0.00	0.00	3.14	1	33
677	339	437	90.00	0.00	0.00	3.14	1	33
678	437	337	90.00	0.00	0.00	3.14	1	33
679	340	441	-149.91	0.00	0.00	2.91	1	33
680	441	341	-150.01	0.00	0.00	2.92	1	33
681	341	442	-29.99	0.00	0.00	2.92	1	33
682	442	342	-30.09	0.00	0.00	2.91	1	33
683	342	440	90.00	0.00	0.00	2.92	1	33
684	440	340	90.00	0.00	0.00	2.92	1	33
685	343	444	-150.20	0.00	0.00	2.70	1	33
686	444	344	-149.91	0.00	0.00	2.69	1	33
687	344	445	-30.09	0.00	0.00	2.69	1	33
688	445	345	-29.80	0.00	0.00	2.70	1	33
689	345	443	90.00	0.00	0.00	2.69	1	33
690	443	343	90.00	0.00	0.00	2.69	1	33
701	401	402	150.03	0.00	0.00	5.81	1	33
702	402	403	-90.00	0.00	0.00	5.80	1	33
703	403	401	29.97	0.00	0.00	5.81	1	33
704	404	405	149.99	0.00	0.00	5.58	1	33
705	405	406	-90.00	0.00	0.00	5.58	1	33
706	406	404	30.01	0.00	0.00	5.58	1	33
707	407	408	150.04	0.00	0.00	5.37	1	33
708	408	409	-90.00	0.00	0.00	5.36	1	33
709	409	407	29.96	0.00	0.00	5.37	1	33
710	410	411	149.99	0.00	0.00	5.14	1	33
711	411	412	-90.00	0.00	0.00	5.14	1	33
712	412	410	30.01	0.00	0.00	5.14	1	33
713	413	414	150.00	0.00	0.00	4.92	1	33
714	414	415	-90.00	0.00	0.00	4.92	1	33
715	415	413	30.00	0.00	0.00	4.92	1	33
716	416	417	150.00	0.00	0.00	4.70	1	33
717	417	418	-90.00	0.00	0.00	4.70	1	33
718	418	416	30.00	0.00	0.00	4.70	1	33
719	419	420	149.94	0.00	0.00	4.47	1	33
720	420	421	-90.00	0.00	0.00	4.48	1	33
721	421	419	30.06	0.00	0.00	4.47	1	33
722	422	423	149.94	0.00	0.00	4.25	1	33
723	423	424	-90.00	0.00	0.00	4.26	1	33
724	424	422	30.06	0.00	0.00	4.25	1	33
725	425	426	150.06	0.00	0.00	4.03	1	33
726	426	427	-90.00	0.00	0.00	4.02	1	33
727	427	425	29.94	0.00	0.00	4.03	1	33
728	428	429	150.07	0.00	0.00	3.81	1	33
729	429	430	-90.00	0.00	0.00	3.80	1	33
730	430	428	29.93	0.00	0.00	3.81	1	33
731	431	432	150.00	0.00	0.00	3.58	1	33
732	432	433	-90.00	0.00	0.00	3.58	1	33
733	433	431	30.00	0.00	0.00	3.58	1	33
734	434	435	150.00	0.00	0.00	3.36	1	33
735	435	436	-90.00	0.00	0.00	3.36	1	33
736	436	434	30.00	0.00	0.00	3.36	1	33
737	437	438	150.01	0.00	0.00	3.14	1	33
738	438	439	-90.00	0.00	0.00	3.14	1	33
739	439	437	29.99	0.00	0.00	3.14	1	33
740	440	441	149.91	0.00	0.00	2.91	1	33
741	441	442	-90.00	0.00	0.00	2.92	1	33
742	442	440	30.09	0.00	0.00	2.91	1	33
743	443	444	150.02	0.00	0.00	2.70	1	33
744	444	445	-90.00	0.00	0.00	2.70	1	33
745	445	443	29.98	0.00	0.00	2.70	1	33
801	97	504	180.00	-87.09	0.00	6.68	1	8
802	98	505	-60.28	-87.07	0.00	6.68	1	8
803	99	506	60.28	-87.07	0.00	6.68	1	8
804	504	507	180.00	-87.06	0.00	6.68	1	8
805	505	508	-60.00	-87.06	0.00	6.68	1	8
806	506	509	60.00	-87.06	0.00	6.68	1	8

807	507	510	180.00	-87.06	0.00	6.68	1	8
808	508	511	-60.00	-87.06	0.00	6.68	1	8
809	509	512	60.00	-87.06	0.00	6.68	1	8
810	97	505	150.93	-32.46	0.00	12.42	1	16
811	504	98	149.06	32.45	0.00	12.42	1	16
812	98	506	-89.07	-32.45	0.00	12.42	1	16
813	505	99	-90.93	32.45	0.00	12.42	1	16
814	99	504	30.94	-32.45	0.00	12.42	1	16
815	506	97	29.07	32.46	0.00	12.42	1	16
816	504	508	150.99	-33.98	0.00	11.93	1	16
817	507	505	149.01	33.98	0.00	11.93	1	16
818	505	509	-89.01	-33.98	0.00	11.93	1	16
819	508	506	-90.99	33.98	0.00	11.93	1	16
820	506	507	30.99	-33.98	0.00	11.93	1	16
821	509	504	29.01	33.98	0.00	11.93	1	16
822	507	511	151.06	-35.64	0.00	11.44	1	16
823	510	508	148.94	35.64	0.00	11.44	1	16
824	508	512	-88.94	-35.64	0.00	11.44	1	16
825	511	509	-91.06	35.64	0.00	11.44	1	16
826	509	510	31.06	-35.64	0.00	11.44	1	16
827	512	507	28.94	35.64	0.00	11.44	1	16
837	510	511	150.00	0.00	0.00	9.00	1	28
838	511	512	-90.00	0.00	0.00	9.00	1	28
839	512	510	30.00	0.00	0.00	9.00	1	28
901	4	107	151.27	-39.65	0.00	7.84	1	26
902	108	5	148.76	39.64	0.00	7.84	1	26
903	5	109	-88.76	-39.66	0.00	7.83	1	26
904	110	6	-91.24	39.66	0.00	7.83	1	26
905	6	111	31.24	-39.64	0.00	7.84	1	26
906	112	4	28.73	39.65	0.00	7.84	1	26
907	7	113	150.80	-29.23	0.00	10.24	1	26
908	114	8	149.16	29.24	0.00	10.24	1	26
909	8	115	-89.17	-29.22	0.00	10.24	1	26
910	116	9	-90.83	29.22	0.00	10.24	1	26
911	9	117	30.84	-29.24	0.00	10.24	1	26
912	118	7	29.20	29.23	0.00	10.24	1	26
921	601	301	149.95	0.00	0.00	5.81	1	14
922	602	14	150.03	0.00	0.00	5.81	1	14
923	603	302	-90.00	0.00	0.00	5.81	1	14
924	604	15	-90.00	0.00	0.00	5.80	1	14
925	605	303	30.01	0.00	0.00	5.80	1	14
926	606	13	29.97	0.00	0.00	5.81	1	14
931	10	601	151.22	-39.69	0.00	7.83	1	26
932	601	113	147.14	61.71	0.00	5.68	1	26
933	114	602	152.67	-61.82	0.00	5.67	1	26
934	602	11	148.84	39.67	0.00	7.83	1	26
935	11	603	-88.76	-39.71	0.00	7.83	1	26
936	603	115	-92.77	61.69	0.00	5.68	1	26
937	116	604	-87.23	-61.69	0.00	5.68	1	26
938	604	12	-91.24	39.71	0.00	7.83	1	26
939	12	605	31.16	-39.67	0.00	7.83	1	26
940	605	117	27.33	61.82	0.00	5.67	1	26
941	118	606	32.86	-61.71	0.00	5.68	1	26
942	606	10	28.78	39.69	0.00	7.83	1	26
1001	119	19	-31.40	-43.04	0.00	7.33	1	32
1002	120	20	151.38	-42.98	0.00	7.33	1	32
1003	121	20	88.61	-42.95	0.00	7.34	1	32
1004	122	21	-88.61	-42.95	0.00	7.34	1	32
1005	123	21	-151.38	-42.98	0.00	7.33	1	32
1006	124	19	31.40	-43.04	0.00	7.33	1	32
1007	125	25	-31.46	-44.24	0.00	7.17	1	32
1008	126	26	151.54	-44.20	0.00	7.17	1	32
1009	127	26	88.44	-44.20	0.00	7.17	1	32
1010	128	27	-88.44	-44.20	0.00	7.17	1	32
1011	129	27	-151.54	-44.20	0.00	7.17	1	32
1012	130	25	31.46	-44.24	0.00	7.17	1	32
1013	131	31	-31.62	-45.46	0.00	7.02	1	32
1014	132	32	151.56	-45.50	0.00	7.01	1	32
1015	133	32	88.25	-45.45	0.00	7.02	1	32
1016	134	33	-88.25	-45.45	0.00	7.02	1	32
1017	135	33	-151.56	-45.50	0.00	7.01	1	32
1018	136	31	31.62	-45.46	0.00	7.02	1	32
1019	137	37	-31.82	-46.87	0.00	6.85	1	32
1020	138	38	151.80	-46.79	0.00	6.86	1	32
1021	139	38	88.29	-46.76	0.00	6.86	1	32
1022	140	39	-88.29	-46.76	0.00	6.86	1	32
1023	141	39	-151.80	-46.79	0.00	6.86	1	32
1024	142	37	31.82	-46.87	0.00	6.85	1	32
1025	143	43	-31.91	-48.24	0.00	6.70	1	32
1026	144	44	151.89	-48.15	0.00	6.71	1	32
1027	145	44	88.08	-48.12	0.00	6.72	1	32
1028	146	45	-88.08	-48.12	0.00	6.72	1	32
1029	147	45	-151.89	-48.15	0.00	6.71	1	32
1030	148	43	31.91	-48.24	0.00	6.70	1	32
1031	149	49	-32.12	-49.63	0.00	6.56	1	32
1032	150	50	152.05	-49.67	0.00	6.56	1	32

1033	151	50	87.84	-49.62	0.00	6.56	1	32
1034	152	51	-87.84	-49.62	0.00	6.56	1	32
1035	153	51	-152.05	-49.67	0.00	6.56	1	32
1036	154	49	32.12	-49.63	0.00	6.56	1	32
1037	155	55	-32.31	-51.18	0.00	6.42	1	33
1038	156	56	152.35	-51.13	0.00	6.42	1	33
1039	157	56	87.73	-51.11	0.00	6.42	1	33
1040	158	57	-87.73	-51.11	0.00	6.42	1	33
1041	159	57	-152.35	-51.13	0.00	6.42	1	33
1042	160	55	32.31	-51.18	0.00	6.42	1	33
1043	161	61	-32.44	-52.74	0.00	6.28	1	33
1044	162	62	152.49	-52.69	0.00	6.29	1	33
1045	163	62	87.45	-52.67	0.00	6.29	1	33
1046	164	63	-87.45	-52.67	0.00	6.29	1	33
1047	165	63	-152.49	-52.69	0.00	6.29	1	33
1048	166	61	32.44	-52.74	0.00	6.28	1	33
1049	167	67	-32.72	-54.33	0.00	6.15	1	33
1050	168	68	152.72	-54.41	0.00	6.15	1	33
1051	169	68	87.13	-54.29	0.00	6.16	1	33
1052	170	69	-87.13	-54.29	0.00	6.16	1	33
1053	171	69	-152.72	-54.41	0.00	6.15	1	33
1054	172	67	32.72	-54.33	0.00	6.15	1	33
1055	173	73	-32.89	-56.02	0.00	6.03	1	33
1056	174	74	152.98	-56.04	0.00	6.03	1	33
1057	175	74	87.11	-55.99	0.00	6.03	1	33
1058	176	75	-87.11	-55.99	0.00	6.03	1	33
1059	177	75	-152.98	-56.04	0.00	6.03	1	33
1060	178	73	32.89	-56.02	0.00	6.03	1	33
1061	179	79	-33.28	-57.92	0.00	5.90	1	33
1062	180	80	153.35	-57.84	0.00	5.91	1	33
1063	181	80	86.72	-57.83	0.00	5.91	1	33
1064	182	81	-86.72	-57.83	0.00	5.91	1	33
1065	183	81	-153.35	-57.84	0.00	5.91	1	33
1066	184	79	33.28	-57.92	0.00	5.90	1	33
1067	185	85	-33.69	-59.71	0.00	5.79	1	33
1068	186	86	153.52	-59.75	0.00	5.79	1	33
1069	187	86	86.28	-59.66	0.00	5.79	1	33
1070	188	87	-86.28	-59.66	0.00	5.79	1	33
1071	189	87	-153.52	-59.75	0.00	5.79	1	33
1072	190	85	33.69	-59.71	0.00	5.79	1	33
1073	191	91	-33.98	-61.62	0.00	5.68	1	27
1074	192	92	154.10	-61.62	0.00	5.68	1	27
1075	193	92	85.96	-61.66	0.00	5.68	1	27
1076	194	93	-85.96	-61.66	0.00	5.68	1	27
1077	195	93	-154.10	-61.62	0.00	5.68	1	27
1078	196	91	33.98	-61.62	0.00	5.68	1	27
1079	197	97	-34.46	-63.67	0.00	5.58	1	27
1080	198	98	154.47	-63.60	0.00	5.58	1	27
1081	199	98	85.39	-63.54	0.00	5.58	1	27
1082	200	99	-85.39	-63.54	0.00	5.58	1	27
1083	201	99	-154.47	-63.60	0.00	5.58	1	27
1084	202	97	34.46	-63.67	0.00	5.58	1	27

TOTAL NUMBER OF ACTIVE PRISMATIC BEAM ELEMENTS = 179

MATERIAL PROPERTIES

MATL NO	DESIGNATION	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL COEFF	MASS DENSITY	WEIGHT DENSITY
Units:		K /In ^2		F	Slug/Ft^3	Lb/Ft ^3
1	steel	2.9e+004	0.29	6.5e-006	15.2	490

2 NODE PRISMATIC BEAM ELEMENT PROPERTIES

PROP	DESIGNATION	A	IXX	IYY	J	IXY	SFY	SFX	CW
Units:		In^2	In^4	In^4	In^4	In^4			In^6
1	9 x 5/8 leg	11.2	52.5	99.8	152	0	1.000	1.000	0
2	8.5x5/8	10.6	43.9	85.3	129	0	1.000	1.000	0
3	7.25x3/8	9.02	26.6	55.4	82	0	1.000	1.000	0
4	7x1/2	6.97	19.5	41.9	61.4	0	1.000	1.000	0
5	6x1/2	5.97	11.9	27.9	39.8	0	1.000	1.000	0
6	5.5x3/8	4.1	6.9	17.4	24.4	0	1.000	1.000	0
7	5x3/8	3.72	5.06	13.7	18.7	0	1.000	1.000	0
8	4.5x1/4	2.23	2.45	7.38	9.83	0	1.000	1.000	0
11	212.5x3x.25	2.63	1.49	5.53	7.02	0	2.104	1.753	0
12	213x3x.1875	2.18	1.92	4.15	6.07	0	1.938	1.938	0
13	212.5x2.5x.1875	1.8	1.09	2.51	3.6	0	1.920	1.920	0
14	212x2.5x.1875	1.62	0.58	2.49	3.07	0	2.160	1.728	0
15	212x2x.1875	1.43	0.54	1.36	1.9	0	1.907	1.907	0
16	13x3x.1875	1.09	0.96	0.96	0.0142	-0.5741	1.938	1.938	0.00899
23	212x3x.1875	1.8	0.61	4.1	4.71	0	2.400	1.600	0
26	212x2x.125	0.96	0.38	0.89	1.27	0	1.920	1.920	0

27	211.75x1.75x.125	1.24	0.36	0.93	1.29	0	1.000	1.000	0
28	13.5x3x.25	1.56	1.91	1.3	0.036	-0.9406	1.783	2.080	0.027
32	12.5x2.5x.1875	0.902	0.547	0.547	0.011	-0.3255	1.924	1.924	0.0051
33	12x2x.1875	0.715	0.272	0.272	0.0088	-0.1616	1.907	1.907	0.00254
43	11.75x1.75x.1875	0.621	0.179	0.179	0.008	-0.1058	1.893	1.893	0
45	11.75x1.75x.125	0.429	0.13	0.13	0.26	0	1.000	1.000	0

G R A V I T Y L O A D M U L T I P L I E R S

REC NO	PX	PY	PZ
DESCRIPTION : DL tower			
LOAD CASES : 1,2			
ELEMENT LIST : 1-2000			
1	0.000	-1.850	0.000

2 N O D E P R I S M A T I C B E A M E L E M E N T L O A D I N F O R M A T I O N

REC NO	LOAD TYPE	LOAD SYS	DIST SPEC		DIST	PX	PY	PZ	MX	MY	MZ
Units:					Ft	K	K	K	Ft-K	Ft-K	Ft-K
DESCRIPTION : 0 sect 1											
LOAD CASES : 1											
ELEMENT LIST : 2,3,5,6,8,9,11,12											
1	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.184	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.184	0.000	0.000	0.000
DESCRIPTION : 0 sect 2											
LOAD CASES : 1											
ELEMENT LIST : 14,15,17,18,20,21,23,24											
2	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.186	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.186	0.000	0.000	0.000
DESCRIPTION : 0 sect 3											
LOAD CASES : 1											
ELEMENT LIST : 26,27,29,30,32,33,35,36											
3	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.200	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.200	0.000	0.000	0.000
DESCRIPTION : 0 sect 4											
LOAD CASES : 1											
ELEMENT LIST : 38,39,41,42,44,45,47,48											
4	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.210	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.210	0.000	0.000	0.000
DESCRIPTION : 0 sect 5											
LOAD CASES : 1											
ELEMENT LIST : 50,51,53,54,56,57,59,60											
5	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.215	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.215	0.000	0.000	0.000
DESCRIPTION : 0 sect 6											
LOAD CASES : 1											
ELEMENT LIST : 62,63,65,66,68,69,71,72											
6	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.208	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.208	0.000	0.000	0.000
DESCRIPTION : 0 sect 7											
LOAD CASES : 1											
ELEMENT LIST : 74,75,77,78,80,81,83,84											
7	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.204	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.204	0.000	0.000	0.000
DESCRIPTION : 0 sect 8											
LOAD CASES : 1											
ELEMENT LIST : 86,87,89,90,92,93,95,96											
8	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.191	0.000	0.000	0.000
				E	1.000	0.000	0.000	0.191	0.000	0.000	0.000
DESCRIPTION : 0 sect 9											
LOAD CASES : 1											
ELEMENT LIST : 802,803,805,806,808,809											
9	UNIF	GLO	FRAC	B	0.000	0.000	0.000	0.128	0.000	0.000	0.000

		E	1.000	0.000	0.000	0.128	0.000	0.000	0.000

DESCRIPTION : 90 sect 1
LOAD CASES : 2
ELEMENT LIST : 1,3,4,6,7,9,10,12

11	UNIF	GLO	FRAC	B	0.000	0.184	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.184	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 2
LOAD CASES : 2
ELEMENT LIST : 13,15,16,18,19,21,22,24

12	UNIF	GLO	FRAC	B	0.000	0.186	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.186	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 3
LOAD CASES : 2
ELEMENT LIST : 25,27,28,30,31,33,34,36

13	UNIF	GLO	FRAC	B	0.000	0.200	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.200	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 4
LOAD CASES : 2
ELEMENT LIST : 37,39,40,42,43,45,46,48

14	UNIF	GLO	FRAC	B	0.000	0.210	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.210	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 5
LOAD CASES : 2
ELEMENT LIST : 49,51,52,54,55,57,58,60

15	UNIF	GLO	FRAC	B	0.000	0.215	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.215	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 6
LOAD CASES : 2
ELEMENT LIST : 61,63,64,66,67,69,70,72

16	UNIF	GLO	FRAC	B	0.000	0.208	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.208	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 7
LOAD CASES : 2
ELEMENT LIST : 73,75,76,78,79,81,82,84

17	UNIF	GLO	FRAC	B	0.000	0.204	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.204	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 8
LOAD CASES : 2
ELEMENT LIST : 85,87,88,90,91,93,94,96

18	UNIF	GLO	FRAC	B	0.000	0.191	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.191	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 sect 9
LOAD CASES : 2
ELEMENT LIST : 801,803,804,806,807,809

19	UNIF	GLO	FRAC	B	0.000	0.128	0.000	0.000	0.000	0.000	0.000
				E	1.000	0.128	0.000	0.000	0.000	0.000	0.000

DESCRIPTION : 90 whip 48
LOAD CASES : 1
ELEMENT LIST : 30
DISTANCES : 3

101	CONC	GLO	DIST		0.000	-0.125	0.059	0.000	0.000	0.000

DESCRIPTION : 90 whip 60
LOAD CASES : 1
ELEMENT LIST : 39
DISTANCES : 0

102	CONC	GLO	DIST		0.000	-0.125	0.063	0.000	0.000	0.000

DESCRIPTION : 90 dipole and whip 70
LOAD CASES : 1
ELEMENT LIST : 44
DISTANCES : 0

103	CONC	GLO	DIST		0.000	-0.300	0.343	0.000	0.000	0.000

DESCRIPTION : 90 dipole 84
LOAD CASES : 1
ELEMENT LIST : 51
DISTANCES : 4

104	CONC	GLO	DIST	0.000	-0.450	1.000	0.000	3.000	0.000

DESCRIPTION : 90 lights 90
LOAD CASES : 1
ELEMENT LIST : 56,57
DISTANCES : 0

105	CONC	GLO	DIST	0.000	-0.063	0.035	0.000	0.000	0.000

DESCRIPTION : 90 whip 100
LOAD CASES : 1
ELEMENT LIST : 63
DISTANCES :

106	CONC	GLO	DIST	0.000	-0.300	0.353	0.000	0.353	0.000

DESCRIPTION : 90 whip 105
LOAD CASES : 1
ELEMENT LIST : 64
DISTANCES :

107	CONC	GLO	DIST	0.000	-0.125	0.074	0.000	0.000	0.000

DESCRIPTION : 90 whip 112
LOAD CASES : 1
ELEMENT LIST : 69
DISTANCES : 2

108	CONC	GLO	DIST	0.000	-0.250	0.275	0.000	0.138	0.000

DESCRIPTION : 90 yagi 2whips 123
LOAD CASES : 1
ELEMENT LIST : 75
DISTANCES : 3

109	CONC	GLO	DIST	0.000	-0.450	1.109	0.000	3.327	0.000

DESCRIPTION : 90 6panels 150
LOAD CASES : 1
ELEMENT LIST : 91-93
DISTANCES :

110	CONC	GLO	DIST	0.000	-0.650	0.867	0.000	0.000	0.000

DESCRIPTION : 90 9panels 158
LOAD CASES : 1
ELEMENT LIST : 94-96
DISTANCES : 3

111	CONC	GLO	DIST	0.000	-0.675	1.021	0.000	0.000	0.000

DESCRIPTION : 90 whip 160
LOAD CASES : 1
ELEMENT LIST : 802,803
DISTANCES :

112	CONC	GLO	DIST	0.000	-0.150	0.190	0.000	0.000	0.000

DESCRIPTION : 90 grid 164
LOAD CASES : 1
ELEMENT LIST : 801
DISTANCES : 4

113	CONC	GLO	DIST	0.000	-0.175	0.159	0.000	0.000	0.000

DESCRIPTION : 90 3panels 170
LOAD CASES : 1
ELEMENT LIST : 804-806
DISTANCES : 3.33

114	CONC	GLO	DIST	0.000	-0.150	0.297	0.000	0.000	0.000

DESCRIPTION : 90 omni 177
LOAD CASES : 1
ELEMENT LIST : 808
DISTANCES : 3.67

115	CONC	GLO	DIST	0.000	-0.125	0.105	0.000	0.000	0.000

DESCRIPTION : 90 whip 178
LOAD CASES : 1

ELEMENT LIST : 808
DISTANCES : 4.67

116	CONC	GLO	DIST	0.000	-0.125	0.066	0.000	0.000	0.000

DESCRIPTION : 90 4dipole 177
LOAD CASES : 1
ELEMENT LIST : 807,808
DISTANCES : 3.67

117	CONC	GLO	DIST	0.000	-0.100	0.077	0.000	0.000	0.000

DESCRIPTION : 90 beacons 180
LOAD CASES : 1
ELEMENT LIST : 809
DISTANCES : 6.66

118	CONC	GLO	DIST	0.000	-0.150	0.151	0.000	0.000	0.000

DESCRIPTION : 90 1-rod 180
LOAD CASES : 1
ELEMENT LIST : 809
DISTANCES : 6.66

119	CONC	GLO	DIST	0.000	-0.125	0.050	0.000	0.000	0.000

DESCRIPTION : 90 8dish 95
LOAD CASES : 1
ELEMENT LIST : 59
DISTANCES :

120	CONC	GLO	DIST	0.000	-0.975	1.239	0.000	-3.717	0.000

DESCRIPTION : 90 6dish 115
LOAD CASES : 1
ELEMENT LIST : 71
DISTANCES :

121	CONC	GLO	DIST	0.000	-0.500	0.677	0.000	-1.354	0.000

DESCRIPTION : 90 8dish 124
LOAD CASES : 1
ELEMENT LIST : 74
DISTANCES : 4

122	CONC	GLO	DIST	0.000	-0.975	1.337	0.000	-4.011	0.000

DESCRIPTION : 90 8dish 135
LOAD CASES : 1
ELEMENT LIST : 83
DISTANCES :

123	CONC	GLO	DIST	0.000	-0.975	1.370	0.000	-4.110	0.000

DESCRIPTION : 90 10dish 136
LOAD CASES : 1
ELEMENT LIST : 82
DISTANCES : 1

124	CONC	GLO	DIST	0.000	-1.250	1.289	0.000	0.000	0.000

DESCRIPTION : 90 4dish 145
LOAD CASES : 1
ELEMENT LIST : 89
DISTANCES :

125	CONC	GLO	DIST	0.000	-0.250	0.247	0.000	-0.370	0.000

DESCRIPTION : 90 8dish 165
LOAD CASES : 1
ELEMENT LIST : 802
DISTANCES : 5

126	CONC	GLO	DIST	0.000	-0.975	1.426	0.000	-4.279	0.000

DESCRIPTION : 90 8dish 174
LOAD CASES : 1
ELEMENT LIST : 807
DISTANCES : .67

127	CONC	GLO	DIST	0.000	-0.975	1.251	0.000	0.000	0.000

DESCRIPTION : 90 6dish 175
LOAD CASES : 1
ELEMENT LIST : 808
DISTANCES : 1.67

128 CONC GLO DIST	0.000	-0.500	0.519	0.000	-1.039	0.000

DESCRIPTION : 90 8dish 175
LOAD CASES : 1
ELEMENT LIST : 809
DISTANCES : 1.67

129 CONC GLO DIST	0.000	-0.975	1.686	0.000	5.059	0.000

DESCRIPTION : 90 6panels 150
LOAD CASES : 1
ELEMENT LIST : 91-93
DISTANCES :

130 CONC GLO DIST	0.000	-0.050	0.458	0.000	0.000	0.000

DESCRIPTION : 0 whip 48
LOAD CASES : 2
ELEMENT LIST : 30
DISTANCES : 3

201 CONC GLO DIST	0.059	-0.125	0.000	0.000	0.000	0.000

DESCRIPTION : 0 whip 60
LOAD CASES : 2
ELEMENT LIST : 39
DISTANCES :

202 CONC GLO DIST	0.063	-0.125	0.000	0.000	0.000	0.000

DESCRIPTION : 0 whip and dipole 70
LOAD CASES : 2
ELEMENT LIST : 43
DISTANCES :

203 CONC GLO DIST	0.343	-0.300	0.000	0.000	0.000	0.000

DESCRIPTION : 0 dipole 84
LOAD CASES : 2
ELEMENT LIST : 51
DISTANCES : 4

204 CONC GLO DIST	1.000	-0.450	0.000	0.000	-3.000	0.000

DESCRIPTION : 0 lights 90
LOAD CASES : 2
ELEMENT LIST : 55,57
DISTANCES :

205 CONC GLO DIST	0.035	-0.062	0.000	0.000	0.000	0.000

DESCRIPTION : 0 whip 100
LOAD CASES : 2
ELEMENT LIST : 63
DISTANCES :

206 CONC GLO DIST	0.353	-0.300	0.000	0.000	-0.353	0.000

DESCRIPTION : 0 whip 105
LOAD CASES : 2
ELEMENT LIST : 65
DISTANCES :

207 CONC GLO DIST	0.074	-0.125	0.000	0.000	-0.037	0.000

DESCRIPTION : 0 whip 112
LOAD CASES : 2
ELEMENT LIST : 69
DISTANCES : 2

208 CONC GLO DIST	0.275	-0.250	0.000	0.000	-0.138	0.000

DESCRIPTION : 0 yagi 2whips 123
LOAD CASES : 2
ELEMENT LIST : 75
DISTANCES : 3

209 CONC GLO DIST	1.109	-0.450	0.000	0.000	-3.327	0.000

DESCRIPTION : 0 6panels 150
LOAD CASES : 2
ELEMENT LIST : 91-93
DISTANCES :

210 CONC GLO DIST	0.866	-0.650	0.000	0.000	0.000	0.000

DESCRIPTION : 0 9panels 158
LOAD CASES : 2
ELEMENT LIST : 94-96
DISTANCES : 3

211	CONC	GLO	DIST	1.021	-0.675	0.000	0.000	0.000	0.000

DESCRIPTION : 0 whip 160
LOAD CASES : 2
ELEMENT LIST : 801,803
DISTANCES :

212	CONC	GLO	DIST	-0.190	-0.150	0.000	0.000	0.000	0.000

DESCRIPTION : 0 grid 164
LOAD CASES : 2
ELEMENT LIST : 802
DISTANCES : 4

213	CONC	GLO	DIST	0.159	-0.175	0.000	0.000	-0.080	0.000

DESCRIPTION : 0 3panels 170
LOAD CASES : 2
ELEMENT LIST : 804-806
DISTANCES : 3.33

214	CONC	GLO	DIST	0.297	-0.150	0.000	0.000	0.000	0.000

DESCRIPTION : 0 omni 177
LOAD CASES : 2
ELEMENT LIST : 807
DISTANCES : 3.67

215	CONC	GLO	DIST	0.105	-0.125	0.000	0.000	0.000	0.000

DESCRIPTION : 0 whip 178
LOAD CASES : 2
ELEMENT LIST : 807
DISTANCES : 4.67

216	CONC	GLO	DIST	0.066	-0.125	0.000	0.000	0.000	0.000

DESCRIPTION : 0 4dipole 177
LOAD CASES : 2
ELEMENT LIST : 807,808
DISTANCES : 3.67

217	CONC	GLO	DIST	0.077	-0.100	0.000	0.000	0.000	0.000

DESCRIPTION : 0 beacons 180
LOAD CASES : 2
ELEMENT LIST : 809
DISTANCES : 6.66

218	CONC	GLO	DIST	0.151	-0.150	0.000	0.000	0.000	0.000

DESCRIPTION : 0 1-rod 180
LOAD CASES : 2
ELEMENT LIST : 809
DISTANCES : 6.66

219	CONC	GLO	DIST	0.050	-0.125	0.000	0.000	0.000	0.000

DESCRIPTION : 0 8dish 95
LOAD CASES : 2
ELEMENT LIST : 58
DISTANCES :

220	CONC	GLO	DIST	0.766	-0.975	0.000	0.000	2.298	0.000

DESCRIPTION : 0 6dish 115
LOAD CASES : 2
ELEMENT LIST : 70
DISTANCES :

221	CONC	GLO	DIST	0.419	-0.500	0.000	0.000	0.837	0.000

DESCRIPTION : 0 8dish 124
LOAD CASES : 2
ELEMENT LIST : 73
DISTANCES : 4

222	CONC	GLO	DIST	0.827	-0.975	0.000	0.000	2.480	0.000

DESCRIPTION : 0 8dish 135

LOAD CASES : 2
ELEMENT LIST : 82
DISTANCES :

223	CONC	GLO	DIST	0.847	-0.975	0.000	0.000	2.541	0.000

DESCRIPTION : 0 10dish 136
LOAD CASES : 2
ELEMENT LIST : 83
DISTANCES : 1

224	CONC	GLO	DIST	2.604	-1.250	0.000	0.000	-7.813	0.000

DESCRIPTION : 0 4dish 145
LOAD CASES : 2
ELEMENT LIST : 88
DISTANCES :

225	CONC	GLO	DIST	0.247	-0.250	0.000	0.000	0.370	0.000

DESCRIPTION : 0 8dish 165
LOAD CASES : 2
ELEMENT LIST : 801
DISTANCES : 5

226	CONC	GLO	DIST	0.854	-0.975	0.000	0.000	2.561	0.000

DESCRIPTION : 0 8dish 174
LOAD CASES : 2
ELEMENT LIST : 808
DISTANCES : .67

227	CONC	GLO	DIST	1.388	-0.975	0.000	0.000	-4.165	0.000

DESCRIPTION : 0 6dish 175
LOAD CASES : 2
ELEMENT LIST : 807
DISTANCES : 1.67

228	CONC	GLO	DIST	0.519	-0.500	0.000	0.000	1.039	0.000

DESCRIPTION : 0 8dish 175
LOAD CASES : 2
ELEMENT LIST : 809
DISTANCES : 1.67

229	CONC	GLO	DIST	1.004	-0.975	0.000	0.000	-3.011	0.000

DESCRIPTION : 0 6panels 150
LOAD CASES : 2
ELEMENT LIST : 91-93
DISTANCES :

230	CONC	GLO	DIST	0.458	-0.050	0.000	0.000	0.000	0.000

DESCRIPTION : 0 6panel 150 mom
LOAD CASES : 2
ELEMENT LIST : 91
DISTANCES :

2101	CONC	GLO	DIST	0.000	0.000	0.000	0.000	1.950	0.000

DESCRIPTION : 0 9panels 158 moment
LOAD CASES : 2
ELEMENT LIST : 94
DISTANCES : 3

2111	CONC	GLO	DIST	0.000	0.000	0.000	0.000	2.025	0.000

DESCRIPTION : 0 whip 160 moment
LOAD CASES : 2
ELEMENT LIST : 801
DISTANCES :

2121	CONC	GLO	DIST	0.000	0.000	0.000	0.000	0.100	0.000

DESCRIPTION : 0 6panels 150 moment
LOAD CASES : 2
ELEMENT LIST : 91
DISTANCES :

2301	CONC	GLO	DIST	0.000	0.000	0.000	0.000	1.373	0.000

P-D E L T A A N A L Y S I S R E S U L T S

LOAD COMB	CONVERGE	CYCLE	D-NORM	F-NORM	CONVERGE-TOL	MAX CYCLE	AXIAL FORCE	MIN STIFFNESS	POWER
1	YES	4	9.0367e-006	3.5912e-004	1.0000e-003	30	N	0.0000e+000	0.0000e+000
2	YES	4	9.0685e-006	3.9546e-004	1.0000e-003	30	N	0.0000e+000	0.0000e+000

S T R U C T U R E L O A D C O M B I N A T I O N S

COMB LIST OF FACTORS * CASES

LOAD COMBINATIONS:

COMB 1 () : 1.00 X CASE 1

COMB 2 () : 1.00 X CASE 2

N O D A L D I S P L A C E M E N T S
(* Indicates Displacements Occur in Nodal Local System)

NODE NO	LOAD COMB	DX	DY	DZ	OX	OY	OZ
Units:		In	In	In	Deg	Deg	Deg
1	1	0.0000	0.000	0.0000	0.0000	0.0000	0.0000
	2	0.0000	0.000	0.0000	0.0000	0.0000	0.0000
2	1	0.0000	0.000	0.0000	0.0000	0.0000	0.0000
	2	0.0000	0.000	0.0000	0.0000	0.0000	0.0000
3	1	0.0000	0.000	0.0000	0.0000	0.0000	0.0000
	2	0.0000	0.000	0.0000	0.0000	0.0000	0.0000
4	1	0.0016	-0.064	0.0276	0.0317	0.0007	-0.0022
	2	0.1095	-0.004	-0.0055	-0.0057	0.0150	-0.1403
5	1	0.0117	0.025	0.0765	0.0949	-0.0056	-0.0191
	2	0.0254	-0.055	0.0013	0.0027	0.0052	-0.0323
6	1	-0.0139	0.025	0.0827	0.1014	0.0060	0.0214
	2	0.0486	0.040	0.0118	0.0087	0.0026	-0.0549
7	1	0.0036	-0.128	0.0643	0.0406	0.0014	-0.0016
	2	0.2271	-0.008	-0.0072	0.0009	0.0307	-0.0853
8	1	0.0293	0.056	0.1551	0.0573	-0.0109	-0.0117
	2	0.0628	-0.110	-0.0010	-0.0085	0.0101	-0.0370
9	1	-0.0333	0.050	0.1640	0.0578	0.0123	0.0128
	2	0.0929	0.092	0.0145	0.0034	0.0073	-0.0336
10	1	0.0049	-0.189	0.1390	0.1077	0.0021	-0.0012
	2	0.2944	-0.017	-0.0033	0.0060	0.0424	-0.0582
11	1	0.0265	0.075	0.2079	0.0528	-0.0135	0.0175
	2	0.1225	-0.163	-0.0249	-0.0385	0.0162	-0.0828
12	1	-0.0310	0.076	0.2170	0.0533	0.0160	-0.0170
	2	0.1420	0.135	0.0312	0.0306	0.0134	-0.0684
13	1	0.0061	-0.248	0.2740	0.1083	0.0027	-0.0015
	2	0.3722	-0.019	0.0024	0.0003	0.0494	-0.1135
14	1	0.0036	0.099	0.2824	0.0983	-0.0128	0.0065
	2	0.2305	-0.214	-0.0682	-0.0234	0.0235	-0.0942
15	1	-0.0089	0.109	0.2926	0.1000	0.0163	-0.0055
	2	0.2377	0.181	0.0676	0.0223	0.0211	-0.0947
16	1	0.0074	-0.307	0.3780	0.1328	0.0035	-0.0012
	2	0.5240	-0.019	-0.0004	-0.0001	0.0574	-0.1513
17	1	0.0114	0.123	0.4116	0.1335	-0.0134	-0.0001
	2	0.3310	-0.264	-0.0757	-0.0154	0.0312	-0.1245
18	1	-0.0177	0.123	0.4239	0.1355	0.0180	0.0011
	2	0.3447	0.224	0.0773	0.0157	0.0286	-0.1224
19	1	0.0084	-0.361	0.5571	0.1529	0.0045	-0.0014
	2	0.6766	-0.023	0.0019	-0.0020	0.0657	-0.1706
20	1	-0.0014	0.146	0.5574	0.1549	-0.0142	0.0009
	2	0.4928	-0.311	-0.1021	-0.0112	0.0388	-0.1411
21	1	-0.0057	0.145	0.5712	0.1567	0.0196	0.0001

	2	0.4977	0.264	0.1018	0.0136	0.0355	-0.1441
22	1	0.0097	-0.418	0.7065	0.1717	0.0050	-0.0012
	2	0.8748	-0.027	-0.0009	0.0005	0.0744	-0.1905
23	1	0.0100	0.164	0.7343	0.1739	-0.0150	-0.0027
	2	0.6366	-0.355	-0.1014	-0.0118	0.0458	-0.1614
24	1	-0.0181	0.165	0.7501	0.1760	0.0216	0.0037
	2	0.6494	0.300	0.1038	0.0113	0.0422	-0.1608
25	1	0.0107	-0.459	0.9238	0.1945	0.0058	-0.0016
	2	1.0679	-0.030	0.0013	-0.0018	0.0825	-0.2112
26	1	-0.0017	0.163	0.9229	0.1970	-0.0154	0.0029
	2	0.8392	-0.396	-0.1262	-0.0141	0.0533	-0.1868
27	1	-0.0072	0.183	0.9404	0.1991	0.0229	-0.0017
	2	0.8448	0.334	0.1256	0.0149	0.0489	-0.1895
28	1	0.0122	-0.510	1.1140	0.2209	0.0064	-0.0015
	2	1.3205	-0.035	-0.0021	0.0009	0.0948	-0.2415
29	1	0.0116	0.202	1.1510	0.2222	-0.0173	-0.0024
	2	1.0305	-0.442	-0.1231	-0.0137	0.0682	-0.2099
30	1	-0.0218	0.203	1.1712	0.2252	0.0269	0.0037
	2	1.0457	0.371	0.1249	0.0128	0.0615	-0.2096
31	1	0.0133	-0.561	1.3903	0.2413	0.0076	-0.0018
	2	1.5598	-0.039	0.0009	-0.0021	0.1055	-0.2607
32	1	-0.0030	0.221	1.3877	0.2462	-0.0183	0.0017
	2	1.2855	-0.484	-0.1513	-0.0116	0.0861	-0.2291
33	1	-0.0081	0.222	1.4097	0.2482	0.0294	-0.0004
	2	1.2922	0.406	0.1495	0.0137	0.0757	-0.2335
34	1	0.0148	-0.605	1.6296	0.2639	0.0082	-0.0014
	2	1.8562	-0.043	-0.0025	0.0011	0.1156	-0.2816
35	1	0.0095	0.237	1.6634	0.2655	-0.0201	-0.0018
	2	1.5246	-0.522	-0.1500	-0.0157	0.0927	-0.2526
36	1	-0.0219	0.237	1.6877	0.2682	0.0347	0.0032
	2	1.5400	0.439	0.1506	0.0149	0.0813	-0.2514
37	1	0.0158	-0.645	1.9450	0.2767	0.0094	-0.0020
	2	2.1338	-0.047	0.0003	-0.0021	0.1237	-0.2932
38	1	-0.0041	0.252	1.9418	0.2812	-0.0208	0.0003
	2	1.8204	-0.556	-0.1763	-0.0109	0.0935	-0.2651
39	1	-0.0088	0.252	1.9677	0.2832	0.0388	0.0008
	2	1.8277	0.463	0.1735	0.0126	0.0814	-0.2699
40	1	0.0174	-0.697	2.2144	0.3026	0.0103	-0.0016
	2	2.4680	-0.052	-0.0037	0.0015	0.1336	-0.3183
41	1	0.0133	0.271	2.2560	0.3041	-0.0214	-0.0029
	2	2.0908	-0.602	-0.1649	-0.0108	0.0927	-0.2912
42	1	-0.0273	0.272	2.2836	0.3067	0.0493	0.0046
	2	2.1096	0.499	0.1656	0.0100	0.0745	-0.2899
43	1	0.0186	-0.743	2.5831	0.3245	0.0117	-0.0024
	2	2.7846	-0.059	-0.0002	-0.0023	0.1415	-0.3392
44	1	-0.0046	0.289	2.5793	0.3298	-0.0207	0.0025
	2	2.4392	-0.642	-0.1939	-0.0100	0.0927	-0.3159
45	1	-0.0101	0.287	2.6082	0.3336	0.0586	-0.0004
	2	2.4472	0.529	0.1904	0.0112	0.0673	-0.3216
46	1	0.0203	-0.784	2.9045	0.3506	0.0121	-0.0016
	2	3.1652	-0.063	-0.0043	0.0016	0.1489	-0.3639
47	1	0.0102	0.299	2.9431	0.3505	-0.0224	-0.0030
	2	2.7649	-0.679	-0.1824	-0.0092	0.0958	-0.3395
48	1	-0.0265	0.301	2.9759	0.3565	0.0891	0.0069
	2	2.7841	0.551	0.1818	0.0062	0.0450	-0.3386
49	1	0.0211	-0.821	3.3214	0.3741	0.0129	-0.0017
	2	3.5291	-0.069	-0.0009	-0.0016	0.1544	-0.3834

Verizon Wireless
180' Andrew 3ST Tower
Bloomfield (Tariffville), CT

50	1	-0.0056	0.31	3.3146	0.3770	-0.0230	0.0020
	2	3.1584	-0.70	-0.2084	-0.0113	0.1003	-0.3606
51	1	-0.0121	0.32	3.3514	0.3899	0.1196	0.0020
	2	3.1688	0.57	0.2028	0.0079	0.0216	-0.3737
52	1	0.0221	-0.852	3.6950	0.3937	0.0124	-0.0013
	2	3.9533	-0.07	-0.0048	0.0015	0.1650	-0.4061
53	1	0.0086	0.319	3.7282	0.3968	-0.0277	-0.0027
	2	3.5324	-0.734	-0.2001	-0.0085	0.1034	-0.3839
54	1	-0.0278	0.320	3.7708	0.3992	0.1860	0.0091
	2	3.5569	0.595	0.1957	0.0012	-0.0363	-0.3784
55	1	0.0227	-0.878	4.1511	0.4165	0.0123	-0.0007
	2	4.3595	-0.07	-0.0017	-0.0011	0.1726	-0.4225
56	1	-0.0060	0.326	4.1446	0.4182	-0.0301	0.0018
	2	3.9697	-0.757	-0.2209	-0.0073	0.1069	-0.4048
57	1	-0.0119	0.32	4.1823	0.4192	0.1199	-0.0003
	2	3.9800	0.610	0.2144	0.0067	0.0351	-0.4090
58	1	0.0222	-0.900	4.5718	0.4310	0.0114	0.0002
	2	4.8218	-0.08	-0.0054	0.0016	0.1856	-0.4431
59	1	0.0069	0.330	4.6004	0.4367	-0.0379	-0.0046
	2	4.3898	-0.778	-0.2098	-0.0052	0.1061	-0.4213
60	1	-0.0234	0.330	4.6358	0.4378	0.1042	0.0056
	2	4.4093	0.620	0.2061	0.0038	0.0557	-0.4212
61	1	0.0216	-0.919	5.0631	0.4632	0.0110	0.0001
	2	5.2653	-0.084	-0.0026	-0.0001	0.1962	-0.4567
62	1	-0.0053	0.332	5.0575	0.4581	-0.0442	0.0038
	2	4.8634	-0.792	-0.2285	-0.0124	0.1056	-0.4475
63	1	-0.0098	0.333	5.0912	0.4584	0.0890	-0.0037
	2	4.8732	0.627	0.2213	0.0117	0.0739	-0.4499
64	1	0.0204	-0.930	5.5309	0.4752	0.0097	0.0008
	2	5.7754	-0.089	-0.0066	0.0022	0.2262	-0.4906
65	1	0.0088	0.333	5.5636	0.4848	-0.0756	-0.0075
	2	5.3277	-0.807	-0.2177	-0.0038	0.0966	-0.4641
66	1	-0.0222	0.334	5.5947	0.4838	0.1105	0.0073
	2	5.3497	0.632	0.2128	0.0025	0.0622	-0.4638
67	1	0.0193	-0.951	6.0668	0.5000	0.0089	0.0006
	2	6.2614	-0.094	-0.0033	-0.0003	0.2526	-0.5034
68	1	-0.0029	0.333	6.0649	0.5066	-0.1066	0.0007
	2	5.8464	-0.820	-0.2356	-0.0084	0.0889	-0.4890
69	1	-0.0085	0.334	6.0945	0.5081	0.1319	-0.0033
	2	5.8579	0.630	0.2267	0.0086	0.0492	-0.4981
70	1	0.0175	-0.958	6.5770	0.5106	0.0074	0.0012
	2	6.8060	-0.099	-0.0074	0.0031	0.3033	-0.5239
71	1	0.0089	0.330	6.6118	0.5227	-0.1775	-0.0107
	2	6.3551	-0.82	-0.2267	-0.0016	0.0596	-0.5004
72	1	-0.0179	0.333	6.6380	0.5173	0.1928	0.0103
	2	6.3781	0.633	0.2192	-0.0031	-0.0045	-0.4952
73	1	0.0164	-0.965	7.1431	0.5318	0.0065	0.0008
	2	7.3253	-0.104	-0.0041	0.0012	0.3535	-0.5414
74	1	0.0013	0.329	7.1486	0.5534	-0.2512	-0.0077
	2	6.9025	-0.838	-0.2393	-0.0034	0.0282	-0.5198
75	1	-0.0068	0.327	7.1708	0.5514	0.2513	0.0002
	2	6.9160	0.621	0.2278	-0.0006	-0.0593	-0.5404
76	1	0.0139	-0.974	7.6794	0.5426	0.0044	0.0022
	2	7.9146	-0.113	-0.0092	0.0059	0.4989	-0.5611
77	1	0.0204	0.325	7.7432	0.5571	-0.4653	-0.0281
	2	7.4409	-0.843	-0.2209	0.0085	-0.1219	-0.5384
8	1	-0.0209	0.329	7.7551	0.5473	0.3583	0.0214
	2	7.4723	0.626	0.2126	-0.0180	-0.1592	-0.5158

79	1	0.0125	-0.981	8.2906	0.5742	0.0034	0.0005
	2	8.4539	-0.116	-0.0042	0.0017	0.3716	-0.5650
80	1	0.0061	0.315	8.3023	0.5764	-0.2466	-0.0023
	2	8.0326	-0.846	-0.2353	0.0129	-0.2911	-0.5754
81	1	-0.0031	0.319	8.3141	0.5731	0.1956	-0.0043
	2	8.0431	0.619	0.2269	0.0050	0.0046	-0.5665
82	1	0.0113	-0.980	8.8784	0.5968	0.0019	0.0010
	2	9.0614	-0.121	-0.0082	0.0043	0.3463	-0.5835
83	1	0.0174	0.309	8.9184	0.5867	-0.1871	-0.0125
	2	8.6300	-0.843	-0.2128	0.0213	-0.7670	-0.6274
84	1	-0.0106	0.308	8.9266	0.5819	0.1494	0.0078
	2	8.6354	0.606	0.2155	-0.0032	0.0550	-0.5628
85	1	0.0107	-0.979	9.5035	0.5851	0.0011	0.0001
	2	9.6331	-0.129	-0.0038	0.0020	0.3162	-0.5845
86	1	0.0086	0.295	9.5140	0.5967	-0.1291	0.0020
	2	9.2273	-0.847	-0.2274	0.0123	-0.4231	-0.5665
87	1	0.0022	0.298	9.5202	0.5927	0.1018	-0.0073
	2	9.2342	0.597	0.2228	0.0112	0.1022	-0.5822
88	1	0.0097	-0.964	10.1183	0.6008	-0.0002	0.0006
	2	10.2657	-0.131	-0.0079	0.0046	0.3503	-0.6062
89	1	0.0173	0.282	10.1599	0.6094	-0.1281	-0.0100
	2	9.8296	-0.831	-0.2216	0.0070	-0.2017	-0.5925
90	1	-0.0021	0.285	10.1617	0.6045	0.0915	0.0044
	2	9.8511	0.577	0.2181	0.0042	0.1257	-0.5799
91	1	0.0095	-0.953	10.7635	0.6124	-0.0008	0.0007
	2	10.8579	-0.137	-0.0029	0.0024	0.3713	-0.6056
92	1	0.0123	0.267	10.7763	0.6162	-0.1194	-0.0005
	2	10.4520	-0.823	-0.2289	0.0027	0.0045	-0.5954
93	1	0.0073	0.271	10.7762	0.6116	0.0713	-0.0048
	2	10.4629	0.552	0.2226	0.0106	0.1500	-0.5960
94	1	0.0080	-0.932	11.4111	0.6465	0.0006	0.0012
	2	11.5074	-0.143	-0.0068	0.0060	0.5297	-0.6418
95	1	0.0176	0.249	11.4449	0.6433	-0.1907	-0.0070
	2	11.0844	-0.801	-0.2223	-0.0061	0.0504	-0.6249
96	1	0.0071	0.252	11.4417	0.6418	0.0884	-0.0049
	2	11.1058	0.525	0.2188	0.0121	0.1509	-0.6226
97	1	0.0081	-0.911	12.0554	0.5589	0.0029	-0.0018
	2	12.1048	-0.148	-0.0026	0.0028	0.5525	-0.5842
98	1	0.0175	0.231	12.0696	0.6032	-0.2625	-0.0095
	2	11.7092	-0.786	-0.2242	0.0115	0.0910	-0.5475
99	1	0.0131	0.234	12.0625	0.5655	0.0996	0.0090
	2	11.7179	0.496	0.2195	-0.0019	0.1523	-0.5403
101	1	-0.0038	-0.017	0.0243	0.0341	0.0070	-0.0017
	2	0.0853	-0.01	-0.0195	0.0056	0.0271	-0.1109
102	1	-0.0026	-0.017	0.0683	0.0762	-0.0147	-0.0205
	2	0.0259	-0.017	0.0017	-0.0017	0.0035	-0.0331
103	1	0.0117	0.01	0.0568	0.0839	-0.0170	-0.0067
	2	0.0252	-0.012	0.0031	0.0014	0.0024	-0.0310
104	1	-0.0138	0.011	0.0623	0.0892	0.0171	0.0084
	2	0.0485	-0.00	0.0172	0.0080	-0.0104	-0.0492
105	1	-0.0021	-0.01	0.0760	0.0809	0.0091	0.0223
	2	0.0431	0.00	0.0150	0.0098	-0.0046	-0.0528
106	1	0.0060	-0.01	0.0249	0.0340	-0.0055	-0.0014
	2	0.0866	0.01	0.0076	-0.0149	0.0227	-0.1130
107	1	0.0036	-0.02	0.0637	0.0476	-0.0047	-0.0146
	2	0.1731	-0.03	-0.0318	0.0102	0.0453	-0.0811
108	1	0.0114	-0.01	0.1402	0.0531	-0.0147	-0.0218

	2	0.0665	-0.030	0.0014	-0.0020	0.0072	-0.0469
109	1	0.0259	0.022	0.1246	0.0688	-0.0247	-0.0115
	2	0.0614	-0.020	0.0016	-0.0065	0.0012	-0.0367
110	1	-0.0297	0.023	0.1317	0.0691	0.0273	0.0123
	2	0.0919	0.001	0.0184	-0.0050	0.0016	-0.0287
111	1	-0.0165	-0.018	0.1498	0.0517	0.0141	0.0195
	2	0.0902	0.012	0.0167	-0.0087	-0.0025	-0.0447
112	1	0.0003	-0.028	0.0654	0.0478	0.0077	0.0126
	2	0.1773	0.024	0.0148	-0.0024	0.0449	-0.0813
113	1	0.0172	-0.020	0.1438	0.0874	-0.0108	0.0069
	2	0.2189	-0.033	-0.0433	0.0340	0.0433	-0.0427
114	1	0.0080	-0.016	0.1941	0.0255	-0.0104	-0.0093
	2	0.1460	-0.023	-0.0086	-0.0306	0.0223	-0.0838
115	1	0.0246	0.022	0.1738	0.0562	-0.0196	0.0116
	2	0.1212	-0.012	-0.0060	-0.0101	0.0086	-0.0702
116	1	-0.0290	0.023	0.1778	0.0549	0.0237	-0.0116
	2	0.1406	0.002	0.0102	0.0014	0.0159	-0.0328
117	1	-0.0094	-0.017	0.2014	0.0233	0.0129	0.0066
	2	0.1558	0.013	0.0223	0.0048	0.0100	-0.0627
118	1	-0.0136	-0.019	0.1472	0.0874	0.0147	-0.0083
	2	0.2160	0.025	0.0372	-0.0042	0.0507	-0.0499
119	1	0.0206	-0.187	0.3803	0.1215	0.0023	-0.0063
	2	0.4681	-0.090	-0.0414	0.0181	0.0413	-0.1228
120	1	-0.0088	0.006	0.4028	0.1061	-0.0039	-0.0154
	2	0.3695	-0.195	-0.0453	-0.0107	0.0477	-0.1090
121	1	0.0186	0.119	0.3896	0.1309	-0.0139	0.0025
	2	0.3294	-0.135	-0.0580	-0.0085	0.0321	-0.1095
122	1	-0.0251	0.119	0.3939	0.1242	0.0132	0.0008
	2	0.3422	0.095	0.0461	0.0027	0.0341	-0.0940
123	1	0.0078	0.005	0.4121	0.1027	0.0023	0.0095
	2	0.3732	0.145	0.0530	-0.0027	0.0230	-0.1207
124	1	-0.0098	-0.186	0.3828	0.1105	0.0153	-0.0060
	2	0.4569	0.050	0.0460	-0.0109	0.0534	-0.1325
125	1	0.0201	-0.259	0.7071	0.1619	0.0047	-0.0073
	2	0.8072	-0.119	-0.0471	0.0179	0.0563	-0.1666
126	1	-0.0116	0.011	0.7242	0.1507	-0.0068	-0.0192
	2	0.6908	-0.262	-0.0648	-0.0088	0.0593	-0.1506
127	1	0.0158	0.163	0.7141	0.1747	-0.0146	0.0006
	2	0.6355	-0.186	-0.0736	-0.0042	0.0421	-0.1494
128	1	-0.0242	0.164	0.7204	0.1691	0.0164	0.0019
	2	0.6470	0.130	0.0646	-0.0017	0.0442	-0.1364
129	1	0.0104	0.011	0.7362	0.1481	0.0073	0.0135
	2	0.6927	0.209	0.0731	-0.0045	0.0372	-0.1606
130	1	-0.0073	-0.257	0.7110	0.1518	0.0142	-0.0047
	2	0.7979	0.064	0.0498	-0.0113	0.0678	-0.1751
131	1	0.0347	-0.324	1.1247	0.2039	-0.0020	-0.0065
	2	1.2290	-0.148	-0.0616	0.0198	0.0757	-0.2167
132	1	-0.0139	0.014	1.1384	0.1957	-0.0064	-0.0211
	2	1.0995	-0.329	-0.0786	-0.0063	0.0741	-0.1950
133	1	0.0172	0.201	1.1276	0.2230	-0.0166	0.0007
	2	1.0298	-0.237	-0.0996	0.0009	0.0463	-0.1914
134	1	-0.0276	0.203	1.1349	0.2165	0.0197	0.0018
	2	1.0430	0.161	0.0852	-0.0078	0.0504	-0.1803
135	1	0.0127	0.021	1.1535	0.1926	0.0079	0.0145
	2	1.1008	0.257	0.0879	-0.0073	0.0467	-0.2091
136	1	-0.0187	-0.323	1.1298	0.1924	0.0260	-0.0089
	2	1.2167	0.076	0.0643	-0.0143	0.0907	-0.2258

137	1	0.0398	-0.387	1.6414	0.2472	-0.0036	-0.0049
	2	1.7508	-0.173	-0.0691	0.0206	0.0931	-0.2624
138	1	-0.0162	0.017	1.6494	0.2409	-0.0068	-0.0219
	2	1.6108	-0.390	-0.0958	-0.0116	0.0922	-0.2330
139	1	0.0145	0.236	1.6410	0.2665	-0.0148	0.0009
	2	1.5234	-0.279	0.0074	-0.0397	0.1209	-0.2283
140	1	-0.0270	0.237	1.6529	0.2595	0.0191	0.0010
	2	1.5364	0.191	0.0070	0.0173	0.1003	-0.2117
141	1	0.0156	0.017	1.6671	0.2381	0.0108	0.0153
	2	1.6106	0.304	0.1047	-0.0023	0.0653	-0.2467
142	1	-0.0211	-0.386	1.6479	0.2369	0.0294	-0.0098
	2	1.7397	0.087	0.0705	-0.0158	0.1076	-0.2707
143	1	0.0537	-0.454	2.2311	0.2892	0.0031	-0.0096
	2	2.3495	-0.195	-0.0786	0.0221	0.1029	-0.2989
144	1	-0.0278	0.025	2.2333	0.2824	-0.0090	-0.0238
	2	2.1953	-0.458	-0.0998	-0.0122	0.1113	-0.2726
145	1	0.0191	0.270	2.2359	0.3092	-0.0143	0.0020
	2	2.0901	-0.327	-0.1216	-0.0112	0.0859	-0.2727
146	1	-0.0335	0.271	2.2425	0.2998	0.0194	-0.0005
	2	2.1056	0.224	0.1105	-0.0013	0.0824	-0.2628
147	1	0.0297	0.023	2.2520	0.2767	0.0129	0.0167
	2	2.1959	0.354	0.1097	-0.0042	0.0810	-0.2868
148	1	-0.0310	-0.458	2.2384	0.2791	0.0301	-0.0095
	2	2.3373	0.092	0.0781	-0.0159	0.1178	-0.3079
149	1	0.0604	-0.516	2.9258	0.3379	-0.0014	-0.0062
	2	3.0348	-0.221	-0.0859	0.0226	0.1220	-0.3509
150	1	-0.0235	0.021	2.9243	0.3306	-0.0027	-0.0206
	2	2.8657	-0.518	-0.1199	-0.0082	0.1163	-0.3282
151	1	0.0157	0.306	2.9261	0.3591	-0.0138	0.0012
	2	2.7639	-0.376	-0.1441	-0.0065	0.0943	-0.3225
152	1	-0.0327	0.303	2.9240	0.3496	0.0213	-0.0008
	2	2.7798	0.249	0.1375	-0.0048	0.0925	-0.3135
153	1	0.0333	0.026	2.9427	0.3276	0.0111	0.0149
	2	2.8615	0.397	0.1314	-0.0066	0.0900	-0.3384
154	1	-0.0362	-0.511	2.9357	0.3309	0.0350	-0.0102
	2	3.0242	0.093	0.0838	-0.0172	0.1372	-0.3607
155	1	0.0549	-0.561	3.7125	0.3809	0.0004	-0.0066
	2	3.8206	-0.241	-0.0864	0.0179	0.1318	-0.3938
156	1	-0.0368	0.022	3.7023	0.3795	-0.0095	-0.0204
	2	3.6485	-0.567	-0.1305	-0.0058	0.1326	-0.3745
157	1	0.0126	0.322	3.7083	0.4049	-0.0146	-0.0005
	2	3.5327	-0.409	-0.1520	-0.0045	0.1060	-0.3676
158	1	-0.0317	0.323	3.6993	0.4159	0.0380	-0.0011
	2	3.5520	0.263	0.1631	-0.0204	0.0952	-0.3558
159	1	0.0590	0.023	3.7194	0.3846	0.0368	0.0358
	2	3.6317	0.421	0.1479	-0.0129	0.1005	-0.3957
160	1	-0.0256	-0.566	3.7213	0.3787	0.0231	-0.0011
	2	3.8101	0.107	0.0835	-0.0148	0.1497	-0.4026
161	1	0.0502	-0.595	4.5871	0.4221	0.0026	-0.0050
	2	4.6865	-0.251	-0.0879	0.0172	0.1446	-0.4344
162	1	-0.0391	0.023	4.5743	0.4228	-0.0112	-0.0210
	2	4.5056	-0.601	-0.1420	-0.0046	0.1406	-0.4167
163	1	0.0106	0.331	4.5772	0.4445	-0.0145	-0.0016
	2	4.3901	-0.430	-0.1589	0.0006	0.1137	-0.4083
164	1	-0.0274	0.334	4.5766	0.4596	0.0412	0.0006
	2	4.4059	0.277	0.1630	-0.0248	0.1014	-0.4009
165	1	0.0537	0.023	4.5920	0.4313	0.0426	0.0374
	2	4.4946	0.441	0.1541	-0.0158	0.1091	-0.4380

166	1	-0.0185	-0.59	4.5944	0.4198	0.0206	-0.0003
	2	4.6771	0.09	0.0833	-0.0131	0.1600	-0.4402
167	1	0.0778	-0.61	5.5637	0.4602	-0.0130	-0.0038
	2	5.6183	-0.27	-0.1032	0.0228	0.1621	-0.4798
168	1	-0.0529	0.01	5.5289	0.4638	-0.0082	-0.0233
	2	5.4499	-0.62	-0.1462	-0.0050	0.1566	-0.4584
169	1	0.0133	0.33	5.5292	0.4896	-0.0158	-0.0028
	2	5.3297	-0.44	-0.2091	0.0077	0.1057	-0.4455
170	1	-0.0269	0.34	5.5390	0.4901	0.0329	-0.0004
	2	5.3464	0.27	0.1833	-0.0139	0.1179	-0.4416
171	1	0.0571	0.01	5.5500	0.4631	0.0277	0.0265
	2	5.4460	0.45	0.1540	-0.0132	0.1259	-0.4688
172	1	-0.0469	-0.62	5.5694	0.4590	0.0418	-0.0072
	2	5.6033	0.09	0.1000	-0.0165	0.1830	-0.4876
173	1	0.0722	-0.63	6.6099	0.4990	-0.0078	-0.0067
	2	6.6367	-0.28	-0.1105	0.0251	0.1840	-0.5228
174	1	-0.0790	0.00	6.5622	0.5045	-0.0233	-0.0315
	2	6.4725	-0.64	-0.1584	-0.0034	0.1631	-0.5001
175	1	0.0131	0.33	6.5540	0.5363	-0.0292	-0.0057
	2	6.3568	-0.46	-0.2109	0.0064	0.1220	-0.4827
176	1	-0.0218	0.33	6.5685	0.5329	0.0430	-0.0024
	2	6.3746	0.26	0.1914	-0.0113	0.1330	-0.4754
177	1	0.0793	0.00	6.5826	0.5032	0.0393	0.0311
	2	6.4672	0.45	0.1650	-0.0157	0.1354	-0.5038
178	1	-0.0433	-0.63	6.6133	0.5001	0.0322	-0.0028
	2	6.6231	0.09	0.1054	-0.0215	0.2049	-0.5291
179	1	0.0650	-0.65	7.7104	0.5364	-0.0041	-0.0033
	2	7.7160	-0.30	-0.1263	0.0405	0.2292	-0.5836
180	1	-0.1075	-0.00	7.6664	0.5583	-0.0607	-0.0653
	2	7.5194	-0.56	-0.1755	-0.0132	0.1696	-0.5350
181	1	0.0232	0.33	7.6272	0.6058	-0.0721	-0.0052
	2	7.4437	-0.47	-0.2407	0.0080	0.1326	-0.5250
182	1	-0.0239	0.33	7.6485	0.6012	0.0821	-0.0046
	2	7.4670	0.25	0.2169	-0.0411	0.1198	-0.5111
183	1	0.1015	-0.00	7.6827	0.5557	0.0718	0.0626
	2	7.5311	0.44	0.1765	-0.0323	0.1120	-0.5668
184	1	-0.0392	-0.65	7.7115	0.5375	0.0268	-0.0075
	2	7.6973	0.08	0.1216	-0.0308	0.2465	-0.5810
185	1	0.0598	-0.66	8.9061	0.5648	-0.0138	0.0007
	2	8.8713	-0.30	-0.1225	0.0453	0.2816	-0.6308
186	1	-0.0806	-0.01	8.8617	0.5956	-0.0754	-0.0726
	2	8.5972	-0.67	-0.2294	0.0303	0.1007	-0.6303
187	1	0.0207	0.31	8.8342	0.6427	-0.0830	-0.0077
	2	8.6284	-0.47	-0.3405	0.0865	0.0659	-0.5552
188	1	-0.0135	0.31	8.8533	0.6233	0.0740	-0.0028
	2	8.6312	0.24	0.1828	-0.0277	0.1542	-0.5472
189	1	0.0778	-0.01	8.8752	0.5873	0.0667	0.0549
	2	8.7113	0.42	0.1708	-0.0287	0.1215	-0.5924
190	1	-0.0384	-0.66	8.9066	0.5670	0.0304	-0.0100
	2	8.8651	0.07	0.1122	-0.0310	0.2629	-0.6146
191	1	0.0686	-0.65	10.1555	0.5831	-0.0644	0.0283
	2	10.0751	-0.31	-0.1228	0.0339	0.2830	-0.6241
192	1	-0.0694	-0.03	10.1098	0.6127	-0.0770	-0.0536
	2	9.8340	-0.66	-0.2184	0.0498	0.0779	-0.6784
193	1	0.0196	0.29	10.0996	0.6244	-0.0474	-0.0051
	2	9.8343	-0.48	-0.3282	0.1587	-0.0297	-0.5827
194	1	-0.0040	0.29	10.1147	0.6181	0.0404	0.0012

	2	9.8466	0.224	0.1687	-0.0322	0.1457	-0.5662
195	1	0.0741	-0.029	10.1173	0.6084	0.0695	0.0462
	2	9.9518	0.401	0.1606	0.0017	0.1850	-0.5747
196	1	-0.0471	-0.659	10.1541	0.5839	0.0644	-0.0274
	2	10.0720	0.053	0.1114	-0.0207	0.2806	-0.6280
197	1	0.0550	-0.642	11.4403	0.6037	-0.0483	0.0189
	2	11.3085	-0.317	-0.1247	0.0290	0.2930	-0.6345
198	1	-0.0774	-0.051	11.3892	0.6255	-0.0931	-0.0433
	2	11.1689	-0.646	-0.1762	0.0077	0.1685	-0.6173
199	1	0.0195	0.261	11.3730	0.6312	-0.0582	-0.0079
	2	11.0851	-0.472	-0.2216	0.0599	0.0833	-0.5951
200	1	0.0065	0.261	11.4025	0.6329	0.0429	0.0017
	2	11.0998	0.193	0.1664	-0.0225	0.1477	-0.5831
201	1	0.0753	-0.047	11.3999	0.6236	0.0698	0.0369
	2	11.2068	0.363	0.1621	0.0009	0.1910	-0.5887
202	1	-0.0361	-0.642	11.4385	0.6046	0.0461	-0.0184
	2	11.3018	0.034	0.1182	-0.0179	0.3052	-0.6396
301	1	0.0015	-0.003	0.2244	0.0253	-0.0020	0.0085
	2	0.2416	-0.006	-0.0268	0.0116	0.0307	-0.0403
302	1	-0.0021	0.005	0.2270	0.0602	0.0025	-0.0004
	2	0.1914	0.000	0.0023	0.0105	0.0235	-0.0335
303	1	0.0014	-0.002	0.2285	0.0236	0.0061	-0.0101
	2	0.2420	0.004	0.0309	-0.0210	0.0295	-0.0546
304	1	0.0022	-0.069	0.5210	0.1040	0.0075	0.0051
	2	0.5455	-0.109	-0.0446	0.0045	0.0397	-0.1039
305	1	-0.0031	0.089	0.5245	0.1462	0.0019	-0.0008
	2	0.4657	-0.013	0.0017	0.0212	0.0485	-0.1103
306	1	0.0023	-0.069	0.5272	0.1031	-0.0013	-0.0067
	2	0.5460	0.073	0.0475	-0.0237	0.0359	-0.1348
307	1	0.0029	-0.105	0.8893	0.1473	0.0090	0.0008
	2	0.9167	-0.163	-0.0581	0.0045	0.0510	-0.1451
308	1	-0.0040	0.135	0.8939	0.1870	0.0029	-0.0007
	2	0.8143	-0.022	0.0013	0.0180	0.0626	-0.1499
309	1	0.0029	-0.105	0.8973	0.1462	-0.0014	-0.0025
	2	0.9174	0.112	0.0603	-0.0217	0.0486	-0.1729
310	1	0.0036	-0.132	1.3512	0.1871	0.0142	0.0078
	2	1.3814	-0.207	-0.0709	0.0062	0.0582	-0.1903
311	1	-0.0051	0.170	1.3570	0.2357	0.0037	-0.0010
	2	1.2572	-0.030	0.0009	0.0223	0.0771	-0.1924
312	1	0.0038	-0.133	1.3613	0.1858	-0.0046	-0.0098
	2	1.3822	0.141	0.0724	-0.0273	0.0562	-0.2235
313	1	0.0045	-0.164	1.9089	0.2303	0.0176	0.0084
	2	1.9401	-0.252	-0.0836	0.0052	0.0709	-0.2317
314	1	-0.0063	0.216	1.9161	0.2746	0.0049	-0.0007
	2	1.7927	-0.038	0.0000	0.0022	0.0413	-0.2392
315	1	0.0045	-0.164	1.9210	0.2291	-0.0069	-0.0101
	2	1.9414	0.170	0.0837	-0.0243	0.0700	-0.2626
316	1	0.0052	-0.190	2.5494	0.2874	0.0251	0.0086
	2	2.5778	-0.291	-0.0938	-0.0015	0.0823	-0.2788
317	1	-0.0069	0.234	2.5573	0.3199	0.0016	-0.0008
	2	2.4164	-0.040	0.0001	0.0163	0.1142	-0.2913
318	1	0.0055	-0.190	2.5633	0.2871	-0.0151	-0.0093
	2	2.5791	0.192	0.0933	-0.0166	0.0832	-0.3077
319	1	0.0063	-0.220	3.2898	0.3325	0.0279	0.0141
	2	3.3132	-0.336	-0.1018	0.0050	0.0957	-0.3369
320	1	-0.0082	0.265	3.2989	0.3728	-0.0065	-0.0007
	2	3.1394	-0.056	-0.0001	0.0128	0.1430	-0.3371

321	1	0.0070	-0.220	3.3062	0.3334	-0.0247	-0.0114
	2	3.3145	0.217	0.1004	-0.0223	0.1060	-0.3652
322	1	0.0070	-0.246	4.1225	0.3816	0.0372	0.0013
	2	4.1376	-0.373	-0.1088	0.0026	0.1024	-0.3741
323	1	-0.0087	0.286	4.1328	0.4244	-0.0048	-0.0003
	2	3.9534	-0.064	-0.0009	0.0023	0.1632	-0.3785
324	1	0.0076	-0.245	4.1406	0.3882	-0.0308	0.0097
	2	4.1394	0.234	0.1057	-0.0228	0.1140	-0.4080
325	1	0.0070	-0.268	5.0378	0.4217	0.0385	-0.0043
	2	5.0404	-0.401	-0.1139	0.0044	0.1145	-0.4150
326	1	-0.0076	0.299	5.0479	0.4632	0.0030	-0.0002
	2	4.8492	-0.075	-0.0020	0.0038	0.1710	-0.4144
327	1	0.0075	-0.267	5.0548	0.4277	-0.0238	0.0130
	2	5.0428	0.244	0.1090	-0.0210	0.1200	-0.4431
328	1	0.0068	-0.284	6.0409	0.4517	0.0595	0.0093
	2	6.0277	-0.421	-0.1180	0.0083	0.1177	-0.4580
329	1	-0.0058	0.302	6.0502	0.5066	0.0068	0.0001
	2	5.8309	-0.085	-0.0027	0.0245	0.2108	-0.4510
330	1	0.0074	-0.284	6.0558	0.4538	-0.0406	-0.0065
	2	6.0304	0.245	0.1119	-0.0282	0.1202	-0.4918
331	1	0.0064	-0.298	7.1230	0.4943	0.0810	-0.0108
	2	7.0901	-0.438	-0.1208	0.0167	0.1256	-0.5010
332	1	-0.0031	0.301	7.1303	0.5598	0.0093	0.0007
	2	6.8903	-0.095	-0.0032	0.0190	0.2436	-0.4798
333	1	0.0077	-0.297	7.1347	0.4942	-0.0608	0.0109
	2	7.0929	0.241	0.1132	-0.0341	0.1349	-0.5332
334	1	0.0065	-0.306	8.2695	0.5399	0.0849	-0.0297
	2	8.2128	-0.446	-0.1208	0.0381	0.1738	-0.5635
335	1	0.0010	0.288	8.2748	0.6286	0.0142	-0.0002
	2	8.0145	-0.104	-0.0041	0.0227	0.2968	-0.5141
336	1	0.0075	-0.306	8.2765	0.5370	-0.0624	0.0258
	2	8.2166	0.229	0.1126	-0.0492	0.1343	-0.5877
337	1	0.0079	-0.321	9.4877	0.5631	0.0604	-0.0176
	2	9.4044	-0.457	-0.1176	0.0717	0.2298	-0.6453
338	1	0.0051	0.276	9.4919	0.6341	0.0085	-0.0007
	2	9.2123	-0.121	-0.0047	0.0973	0.3248	-0.5440
339	1	0.0085	-0.320	9.4914	0.5580	-0.0467	0.0107
	2	9.4091	0.217	0.1097	-0.0465	0.1370	-0.6003
340	1	0.0095	-0.328	10.7570	0.5762	0.0429	-0.0079
	2	10.6404	-0.459	-0.1163	0.0552	0.1825	-0.6480
341	1	0.0096	0.257	10.7597	0.6307	0.0088	-0.0021
	2	10.4476	-0.131	-0.0028	0.0905	0.2569	-0.5575
342	1	0.0099	-0.327	10.7574	0.5729	-0.0336	0.0012
	2	10.6444	0.197	0.1108	-0.0366	0.1437	-0.6080
343	1	0.0114	-0.331	12.0523	0.5994	0.0564	-0.0191
	2	11.8956	-0.459	-0.1140	0.0279	0.1468	-0.6244
344	1	0.0150	0.227	12.0528	0.6396	0.0241	-0.0044
	2	11.7058	-0.140	-0.0022	0.0359	0.2440	-0.5705
345	1	0.0122	-0.330	12.0492	0.5894	-0.0394	0.0013
	2	11.8993	0.169	0.1093	-0.0285	0.1339	-0.6242
401	1	0.0015	-0.103	0.2267	-0.0418	0.0016	0.0001
	2	0.2418	-0.099	0.0021	-0.0436	0.0233	0.0163
402	1	-0.0003	-0.103	0.2257	0.0130	0.0015	0.0445
	2	0.2167	-0.099	-0.0124	0.0164	0.0230	0.0443
403	1	-0.0003	-0.104	0.2277	0.0129	0.0017	-0.0439
	2	0.2166	-0.102	0.0166	0.0292	0.0230	-0.0305
404	1	0.0022	-0.151	0.5242	0.0297	0.0026	0.0003
	2	0.5456	-0.107	0.0015	-0.0389	0.0406	-0.0583

405	1	-0.0004	-0.083	0.5226	0.0791	0.0015	0.0386
	2	0.5057	-0.144	-0.0216	0.0162	0.0381	-0.0316
406	1	-0.0005	-0.083	0.5257	0.0797	0.0039	-0.0388
	2	0.5057	-0.068	0.0246	0.0259	0.0384	-0.0971
407	1	0.0029	-0.172	0.8933	0.0775	0.0035	0.0003
	2	0.9169	-0.101	0.0011	-0.0346	0.0540	-0.1058
408	1	-0.0005	-0.064	0.8914	0.1227	0.0025	0.0335
	2	0.8654	-0.163	-0.0285	0.0150	0.0517	-0.0807
409	1	-0.0006	-0.064	0.8954	0.1232	0.0048	-0.0334
	2	0.8655	-0.039	0.0308	0.0222	0.0517	-0.1388
410	1	0.0037	-0.193	1.3562	0.1202	0.0047	0.0004
	2	1.3816	-0.099	0.0008	-0.0306	0.0691	-0.1410
411	1	-0.0007	-0.050	1.3538	0.1593	0.0030	0.0300
	2	1.3193	-0.177	-0.0351	0.0126	0.0660	-0.1180
412	1	-0.0007	-0.053	1.3589	0.1600	0.0065	-0.0299
	2	1.3195	-0.022	0.0367	0.0198	0.0660	-0.1694
413	1	0.0045	-0.214	1.9151	0.1660	0.0060	0.0002
	2	1.9406	-0.099	0.0000	-0.0253	0.0832	-0.1867
414	1	-0.0007	-0.042	1.9123	0.2019	0.0038	0.0273
	2	1.8679	-0.199	-0.0419	0.0042	0.0847	-0.1745
415	1	-0.0008	-0.042	1.9183	0.2023	0.0082	-0.0270
	2	1.8683	0.007	0.0418	0.0280	0.0851	-0.2227
416	1	0.0053	-0.228	2.5562	0.2119	0.0074	-0.0003
	2	2.5782	-0.097	-0.0002	-0.0216	0.0989	-0.2253
417	1	-0.0007	-0.029	2.5530	0.2390	0.0044	0.0232
	2	2.4968	-0.210	-0.0470	0.0087	0.0939	-0.2116
418	1	-0.0008	-0.028	2.5600	0.2407	0.0111	-0.0248
	2	2.4973	0.019	0.0467	0.0187	0.0935	-0.2511
419	1	0.0066	-0.252	3.2976	0.2619	0.0099	-0.0014
	2	3.3137	-0.100	-0.0004	-0.0149	0.1108	-0.2695
420	1	-0.0007	-0.025	3.2939	0.2866	0.0068	0.0173
	2	3.2260	-0.225	-0.0510	0.0112	0.1053	-0.2548
421	1	-0.0007	-0.022	3.3023	0.2907	0.0151	-0.0213
	2	3.2267	0.032	0.0502	0.0153	0.1036	-0.2918
422	1	0.0073	-0.262	4.1313	0.2989	0.0112	-0.0050
	2	4.1383	-0.105	-0.0013	-0.0073	0.1242	-0.3178
423	1	-0.0006	-0.020	4.1273	0.3241	0.0073	0.0089
	2	4.0452	-0.239	-0.0549	0.0170	0.1177	-0.3008
424	1	-0.0006	-0.015	4.1365	0.3275	0.0171	-0.0196
	2	4.0461	0.044	0.0525	0.0160	0.1157	-0.3330
425	1	0.0072	-0.278	5.0460	0.3433	0.0105	-0.0033
	2	5.0414	-0.107	-0.0023	-0.0080	0.1360	-0.3605
426	1	-0.0002	-0.017	5.0426	0.3664	0.0065	0.0078
	2	4.9446	-0.253	-0.0577	0.0141	0.1294	-0.3447
427	1	-0.0002	-0.014	5.0511	0.3681	0.0154	-0.0155
	2	4.9456	0.048	0.0533	0.0118	0.1282	-0.3714
428	1	0.0071	-0.294	6.0482	0.3763	0.0093	-0.0013
	2	6.0289	-0.111	-0.0030	-0.0112	0.1503	-0.3910
429	1	0.0006	-0.023	6.0453	0.4044	0.0032	0.0033
	2	5.9290	-0.267	-0.0601	0.0130	0.1395	-0.3691
430	1	0.0007	-0.022	6.0528	0.4050	0.0160	-0.0069
	2	5.9302	0.039	0.0544	0.0005	0.1386	-0.3914
431	1	0.0070	-0.294	7.1284	0.3915	0.0074	-0.0009
	2	7.0914	-0.119	-0.0036	-0.0054	0.1623	-0.4228
432	1	0.0020	-0.029	7.1263	0.4279	-0.0013	-0.0039
	2	6.9900	-0.267	-0.0618	0.0189	0.1496	-0.3950
433	1	0.0020	-0.029	7.1321	0.4272	0.0163	0.0021

	2	6.9912	0.035	0.0548	-0.0039	0.1479	-0.4158
434	1	0.0070	-0.294	8.2727	0.4057	0.0040	0.0010
	2	8.2146	-0.120	-0.0043	-0.0175	0.1704	-0.4318
435	1	0.0039	-0.037	8.2718	0.4384	-0.0056	-0.0026
	2	8.1135	-0.266	-0.0623	0.0186	0.1515	-0.4091
436	1	0.0040	-0.038	8.2753	0.4363	0.0129	0.0045
	2	8.1147	0.020	0.0540	-0.0127	0.1553	-0.4147
437	1	0.0092	-0.315	9.4895	0.4655	0.0021	0.0011
	2	9.4069	-0.113	-0.0045	-0.0647	0.1736	-0.4550
438	1	0.0066	-0.043	9.4896	0.4899	-0.0049	-0.0005
	2	9.3082	-0.285	-0.0610	-0.0188	0.1517	-0.4396
439	1	0.0066	-0.044	9.4914	0.4887	0.0087	0.0030
	2	9.3095	-0.000	0.0521	-0.0543	0.1619	-0.4308
440	1	0.0097	-0.326	10.7571	0.5106	-0.0004	0.0004
	2	10.6425	-0.128	-0.0030	-0.0462	0.1910	-0.4931
441	1	0.0096	-0.051	10.7582	0.5298	-0.0060	-0.0002
	2	10.5441	-0.293	-0.0594	-0.0211	0.1778	-0.4763
442	1	0.0096	-0.052	10.7584	0.5281	0.0042	0.0016
	2	10.5455	-0.002	0.0538	-0.0408	0.1817	-0.4779
443	1	0.0118	-0.325	12.0505	0.5243	-0.0045	0.0037
	2	11.8975	-0.146	-0.0024	-0.0151	0.2092	-0.5238
444	1	0.0133	-0.062	12.0525	0.5484	-0.0127	0.0003
	2	11.8002	-0.293	-0.0581	0.0028	0.1961	-0.4999
445	1	0.0134	-0.065	12.0507	0.5427	-0.0002	0.0099
	2	11.8017	-0.008	0.0535	-0.0162	0.1969	-0.5052
504	1	0.0174	-0.887	12.9033	0.5550	-0.0137	-0.0050
	2	12.9025	-0.158	-0.0011	-0.0132	0.7395	-0.5773
505	1	0.0145	0.209	12.9089	0.5578	-0.6820	-0.0453
	2	12.5350	-0.766	-0.2180	0.0322	-0.0442	-0.5614
506	1	0.0191	0.211	12.8972	0.6227	0.2801	0.0053
	2	12.5403	0.463	0.2119	-0.0142	0.0717	-0.5875
507	1	0.0154	-0.854	13.7436	0.6241	-0.0074	-0.0058
	2	13.7167	-0.161	-0.0025	-0.0082	0.5736	-0.6349
508	1	0.0219	0.182	13.7535	0.6657	-0.3980	0.0054
	2	13.3632	-0.735	-0.1954	0.0166	-0.4824	-0.6203
509	1	0.0092	0.180	13.7657	0.7194	0.7789	-0.0037
	2	13.3699	0.423	0.1912	-0.0030	-0.2194	-0.6598
510	1	0.0249	-0.815	14.5827	0.5219	-0.0446	-0.0010
	2	14.5047	-0.165	-0.0026	-0.0159	0.4794	-0.5131
511	1	0.0167	0.156	14.5835	0.5105	-0.2576	-0.0240
	2	14.1808	-0.707	-0.1880	0.0023	-0.0629	-0.5096
512	1	0.0178	0.159	14.5910	0.4725	0.4830	-0.0040
	2	14.1875	0.387	0.1836	0.0047	-0.0204	-0.4732
601	1	0.0044	-0.073	0.2497	0.1206	0.0148	0.0227
	2	0.2979	-0.024	-0.0166	0.0383	0.0571	-0.0454
602	1	0.0021	0.012	0.2532	0.0449	-0.0144	0.0036
	2	0.2320	-0.066	-0.0505	-0.0579	0.0067	-0.1019
603	1	-0.0002	0.030	0.2507	0.0697	-0.0297	0.0439
	2	0.2108	-0.059	-0.0316	-0.0156	0.0299	-0.0996
604	1	-0.0046	0.030	0.2563	0.0700	0.0338	-0.0438
	2	0.2154	0.043	0.0354	0.0189	0.0280	-0.0777
605	1	-0.0035	0.011	0.2605	0.0446	0.0186	-0.0041
	2	0.2364	0.050	0.0524	0.0398	0.0024	-0.0928
606	1	0.0028	-0.073	0.2520	0.1200	-0.0109	-0.0245
	2	0.2999	0.017	0.0199	-0.0222	0.0573	-0.0576

2 NODE PRISMATIC BEAM ELEMENT -- FORCES AND MOMENTS

SIGN CONVENTION : BEAM DESIGNERS

ELEM NO	LOAD COMB	NODE NO	AXIAL	SHEAR X	SHEAR Y	MOMENT X	MOMENT Y	TORSION
Units:			K	K	K	K -Ft	K -Ft	K -Ft
1	1	1	-355.5953	0.0769	-0.6182	2.7302	-0.3430	-0.0340
		4	-355.2424	0.0769	-0.6357	-0.4084	0.0418	-0.0340
	2	1	-21.7258	5.8955	0.2277	-0.7656	-23.7528	-0.9410
		4	-21.3747	4.9737	0.2100	0.3300	3.4540	-0.9410
2	1	2	144.1079	3.9878	1.1200	-3.5729	15.6982	0.4398
		5	144.4356	3.1944	0.6338	0.8175	-2.2808	0.4398
	2	2	-306.8933	0.6172	-0.3597	1.8888	2.8741	-0.1826
		5	-306.5405	0.6171	-0.3776	0.0430	-0.2156	-0.1826
3	1	3	143.9664	4.5579	0.9884	-3.0845	-17.7193	-0.4641
		6	144.2977	3.7336	0.5595	0.7900	3.0345	-0.4641
	2	3	261.4028	0.5492	1.9321	-6.0892	2.2183	-0.0762
		6	261.7144	-0.1372	1.0917	1.4794	0.5002	-0.0762
4	1	4	-354.7106	0.0032	0.3710	-0.5863	0.0381	-0.0290
		7	-354.3578	0.0032	0.3528	1.2256	0.0542	-0.0290
	2	4	-21.5105	0.5740	-0.0398	0.3556	3.2335	-0.5497
		7	-21.1595	0.3479	-0.0582	0.1104	3.7996	-0.5497
5	1	5	143.9176	0.4286	-0.0190	0.9258	-2.1372	0.1443
		8	144.2453	0.3649	-0.5052	-0.3863	-2.2967	0.1443
	2	5	-305.6831	-0.1204	0.1912	-0.1031	-0.1905	-0.2237
		8	-305.3302	-0.1203	0.1734	0.8096	-0.7929	-0.2237
6	1	6	143.9099	0.3185	-0.0601	1.1041	2.8220	-0.1809
		9	144.2375	0.4750	-0.5463	-0.4139	2.4303	-0.1809
	2	6	261.1656	-0.4994	-0.0920	1.6825	0.4311	-0.2128
		9	261.4773	0.0306	-0.9022	-0.8062	-0.8955	-0.2128
7	1	7	-353.7207	-0.0104	0.5145	1.1996	0.0527	-0.0279
		10	-353.3679	0.0104	0.4965	3.7305	0.0006	-0.0279
	2	7	-20.9715	-0.4099	-0.0085	0.2231	3.7386	-0.4405
		10	-20.6197	1.3315	-0.0268	0.1346	-0.6209	-0.4405
8	1	8	144.7530	0.1204	-0.0866	-0.2467	-2.2615	0.0708
		11	145.0811	0.9227	-0.5581	-1.8606	0.3501	0.0708
	2	8	-304.8956	0.2307	0.4917	0.7975	-0.8057	-0.2683
		11	-304.5428	0.2308	0.4735	3.2139	0.3495	-0.2683
9	1	9	144.8128	-0.1655	-0.0837	-0.2736	2.3945	-0.1151
		12	145.1408	-0.9678	-0.5552	-1.8733	-0.4427	-0.1151
	2	9	262.4291	0.0365	-0.1514	-0.5470	-0.9053	-0.2770
		12	262.7388	0.4899	-0.9712	-3.3576	0.4127	-0.2770
10	1	10	-353.2577	-0.0065	-1.5191	3.8415	-0.0003	-0.0280
		13	-352.9049	-0.0065	-1.5360	-3.8058	-0.0330	-0.0280
	2	10	-20.3495	-0.9786	-0.1793	0.2536	-0.6286	-0.4160
		13	-19.9979	-1.9002	-0.1969	-0.6880	-7.8347	-0.4160
11	1	11	146.1252	0.8682	0.6556	-1.7388	0.3038	0.0681
		14	146.4529	1.6616	0.1693	0.3261	6.6365	0.0681
	2	11	-304.5454	0.3804	-1.2885	3.3190	0.3952	-0.2728
		14	-304.1926	0.3805	-1.3059	-3.1754	2.3000	-0.2728
12	1	12	146.2178	-0.8629	0.6576	-1.7524	-0.3971	-0.1135
		15	146.5455	-1.6563	0.1713	0.3225	-6.7033	-0.1135
	2	12	264.5089	0.2469	1.2830	-3.2123	0.4580	-0.2824
		15	264.8198	0.7156	0.4724	1.1821	2.8673	-0.2824
13	1	13	-325.0201	0.0109	1.7442	-3.5994	-0.0070	-0.0270
		16	-324.6869	0.0109	1.7275	5.0916	0.0474	-0.0270
	2	13	-19.1166	2.5284	0.2084	-0.5204	-7.7892	-0.3612
		16	-18.7858	1.5963	0.1910	0.4795	2.5365	-0.3612

14	1	14	133.5906	2.0618	-0.2656	0.7096	6.5126	0.0853
		17	133.8994	1.2438	-0.7279	-1.7774	-1.7618	0.0853
	2	14	-279.8063	1.4067	1.4504	-2.9152	2.3290	-0.2421
		17	-279.4731	1.4065	1.4342	4.3051	0.2935	-0.2421
15	1	15	133.6819	2.0970	-0.2665	0.7097	-6.6157	-0.1247
		18	133.9906	1.2790	-0.7288	-1.7816	1.8349	-0.1247
	2	15	241.9405	2.7887	-0.4805	1.2447	2.7680	-0.2360
		18	242.2310	2.3426	-1.3141	-3.2476	-0.0640	-0.2360
16	1	16	-324.8176	2.0228	-1.7922	5.1205	0.0452	-0.0389
		19	-324.4844	2.0228	-1.8085	-3.8936	-0.0688	-0.0389
	2	16	-18.7740	1.1513	-0.2190	0.5054	2.5326	-0.3376
		19	-18.4432	2.0834	-0.2363	-0.6346	-5.5651	-0.3376
17	1	17	134.0170	2.8866	0.6941	-1.6899	-1.8199	0.0627
		20	134.3236	1.6890	0.2035	0.5573	4.6275	0.0627
	2	17	-279.5934	2.1196	-1.5704	4.3205	0.4401	-0.2516
		20	-279.2603	2.1199	-1.5866	-3.5822	1.0397	-0.2516
18	1	18	134.1091	2.9111	0.6954	-1.6910	1.8952	-0.0900
		21	134.4157	1.7135	0.2049	0.5627	-4.6748	-0.0900
	2	18	242.4264	2.1377	1.3427	-3.2217	0.0493	-0.2272
		21	242.7162	2.6117	0.5243	1.4519	1.9250	-0.2272
19	1	19	-297.2779	2.0136	1.5988	-3.4095	-0.0196	-0.0180
		22	-296.9447	2.0136	1.5830	4.5550	0.0485	-0.0180
	2	19	-17.4700	2.1109	0.1411	-0.2632	-5.6717	-0.3510
		22	-17.1400	1.1786	0.1244	0.4013	2.5623	-0.3510
20	1	20	122.5485	1.6874	-0.3145	0.9908	4.6392	0.0631
		23	122.8547	2.8758	-0.7901	-1.7744	-1.7776	0.0631
	2	20	-256.5005	2.2210	1.4776	-3.1328	1.1392	-0.2356
		23	-256.1674	2.2206	1.4607	4.2233	0.0339	-0.2356
21	1	21	122.6390	1.7236	-0.3144	0.9878	-4.7422	-0.1081
		24	122.9452	2.9120	-0.7900	-1.7771	1.8560	-0.1081
	2	21	221.9446	-0.6542	-0.5866	1.7478	1.8851	-0.2215
		24	222.2326	-0.1956	-1.4144	-3.2616	-0.2421	-0.2215
22	1	22	-297.0882	2.0269	-1.5428	4.5801	0.0462	-0.0302
		25	-296.7550	-0.0269	-1.5589	-3.1845	-0.0887	-0.0302
	2	22	-17.1252	-1.1971	-0.1936	0.4274	2.5586	-0.3312
		25	-16.7950	2.1294	-0.2109	-0.5853	-5.7689	-0.3312
23	1	23	122.9579	2.8629	0.6436	-1.7102	-1.8104	0.0475
		26	123.2639	1.6654	0.1529	0.2836	4.5186	0.0475
	2	23	-256.2533	0.2277	-1.4041	4.2374	0.1108	-0.2539
		26	-255.9201	0.2282	-1.4201	-2.8321	1.2519	-0.2539
24	1	24	123.0489	-0.8956	0.6447	-1.7114	1.8906	-0.0813
		27	123.3549	1.6982	0.1541	0.2882	-4.6023	-0.0813
	2	24	222.4012	0.1971	1.2363	-3.2310	-0.1805	-0.2206
		27	222.6903	0.6712	0.4177	0.9093	1.9932	-0.2206
25	1	25	-270.8378	0.0190	1.2737	-2.6863	-0.0410	-0.0127
		28	-270.5538	0.0190	1.2598	3.6562	0.0540	-0.0127
	2	25	-15.9652	2.2263	0.1219	-0.2441	-5.8892	-0.3192
		28	-15.6855	1.2238	0.1071	0.3292	2.7475	-0.3192
26	1	26	111.1960	-1.7106	-0.0980	0.5269	4.5073	0.0717
		29	111.4501	-0.8477	-0.6217	-1.2746	-1.8968	0.0717
	2	26	-232.7496	-0.3249	1.0832	-2.3320	1.3101	-0.3279
		29	-232.4656	-0.3244	1.0695	3.0568	-0.3154	-0.3279
27	1	27	111.2800	1.7551	-0.0999	0.5268	-4.6459	-0.1206
		30	111.5341	0.8921	-0.6236	-1.2841	1.9806	-0.1206
	2	27	201.2502	0.7459	-0.2709	1.1080	1.9359	-0.2767
		30	201.4868	-0.2361	-1.1470	-2.4414	-0.5221	-0.2767
28	1	28	-270.6181	-0.0250	-1.3057	3.6603	0.0506	-0.0285
		31	-270.3341	-0.0250	-1.3186	-2.9087	-0.0745	-0.0285

	2	28	-15.6669	1.0544	-0.1582	0.3500	2.7500	-0.2689
		31	-15.3869	2.0568	-0.1723	-0.4772	-5.0378	-0.2689
29	1	29	111.5493	0.7573	0.5555	-1.2480	-1.8969	0.0443
		32	111.8033	1.6202	0.0317	0.2220	4.0545	0.0443
	2	29	-232.5456	0.3244	-1.1006	3.0557	-0.3312	-0.3982
		32	-232.2616	0.3249	-1.1140	-2.4879	1.2940	-0.3982
30	1	30	111.6339	-0.7695	0.5690	-1.2585	1.9832	-0.0790
		33	112.0110	1.6836	0.0086	0.2056	-4.1319	-0.0790
	2	30	201.6548	0.2261	1.1046	-2.4038	-0.5307	-0.3120
		33	202.0127	0.7661	0.1707	0.8174	1.9381	-0.3120
31	1	31	-243.3764	0.0145	1.1732	-2.5032	-0.0191	-0.0118
		34	-243.0924	0.0145	1.1596	3.3366	0.0533	-0.0118
	2	31	-14.5983	2.0620	0.1077	-0.1985	-5.1132	-0.2575
		34	-14.3193	1.0592	0.0930	0.3040	2.7004	-0.2575
32	1	32	99.6088	-1.6033	-0.1100	0.5735	3.9982	0.0632
		35	99.8642	0.7232	-0.6036	-1.2127	-1.8255	0.0632
	2	32	-209.2079	0.2624	0.8989	-1.8164	0.9661	-0.1422
		35	-208.9239	0.2619	0.8856	2.6503	-0.3463	-0.1422
33	1	33	99.8299	1.6442	-0.1097	0.5662	-4.1198	-0.1447
		36	100.0852	0.7641	-0.6033	-1.2185	1.9085	-0.1447
	2	33	180.7459	-0.6481	-0.1409	0.7941	1.5277	-0.1200
		36	180.9818	0.1682	-1.0339	-2.1467	-0.5157	-0.1200
34	1	34	-243.1876	0.0273	-1.2307	3.3294	0.0498	-0.0279
		37	-242.9036	0.0273	-1.2440	-2.8658	-0.0868	-0.0279
	2	34	-14.3024	-0.9201	-0.1478	0.3232	2.7035	-0.1995
		37	-14.0231	1.9228	-0.1626	-0.4538	-4.4135	-0.1995
35	1	35	99.9755	0.6408	0.5610	-1.1606	-1.8437	0.0323
		38	100.2288	1.5135	0.0533	0.3772	3.5496	0.0323
	2	35	-208.9807	0.2708	-1.0353	2.7613	-0.2730	-0.0060
		38	-208.6967	0.2714	-1.0491	-2.4569	1.0844	-0.0060
36	1	36	100.1978	-0.6596	0.5636	-1.1632	1.9271	-0.1091
		39	100.4511	1.5324	0.0560	0.3880	-3.5606	-0.1091
	2	36	181.1323	0.1891	1.0630	-2.1999	-0.4540	0.0107
		39	181.3654	0.6823	0.1764	0.9029	1.7276	0.0107
37	1	37	-216.0483	0.0118	1.1326	-2.4721	-0.0182	-0.0164
		40	-215.8290	0.0118	1.1226	3.1728	0.0408	-0.0164
	2	37	-13.2060	1.8602	0.0999	-0.1935	-4.4988	-0.1917
		40	-12.9926	0.8077	0.0890	0.2793	2.1792	-0.1917
38	1	38	88.2211	1.4687	-0.0765	0.5252	3.5473	0.0284
		41	88.4076	-0.5627	-0.6224	-1.2243	-1.5378	0.0284
	2	38	-185.9786	-0.2850	0.9973	-2.1810	1.1042	0.0261
		41	-185.7593	-0.2845	0.9869	2.7860	-0.3213	0.0261
39	1	39	88.4669	1.5556	-0.0412	0.5351	-3.6358	-0.2001
		42	88.7762	0.5948	-0.6257	-1.2310	1.6099	-0.2001
	2	39	160.1322	-0.6981	-0.2170	1.0901	1.6540	0.1307
		42	160.3003	-0.1628	-1.1328	-2.2888	-0.5011	0.1307
40	1	40	-215.9425	-0.0239	-1.1400	3.1613	0.0387	-0.0250
		43	-215.7231	-0.0239	-1.1501	-2.5719	-0.0812	-0.0250
	2	40	-12.9866	-0.7631	-0.1333	0.2914	2.1847	-0.1541
		43	-12.7729	-1.8157	-0.1447	-0.4046	-4.2710	-0.1541
41	1	41	88.4959	0.5413	0.5656	-1.2016	-1.5412	0.0058
		44	88.6822	1.4473	0.0197	0.2634	3.4366	0.0058
	2	41	-185.8382	0.2844	-0.9927	2.7784	-0.3248	0.0107
		44	-185.6188	0.2849	-1.0028	-2.2167	1.1003	0.0107
42	1	42	88.8646	-0.5779	0.5662	-1.2083	1.6132	-0.1781
		45	89.0509	-1.4839	0.0203	0.2598	-3.5481	-0.1781
	2	42	160.4504	0.1939	1.0554	-2.2597	-0.5002	0.1362

		45	160.6175	0.7292	0.1393	0.7309	1.8104	0.1362
43	1	43	-190.0838	0.0155	1.0684	-2.3087	-0.0158	-0.0063
		46	-189.8645	0.0155	1.0582	3.0149	0.0618	-0.0063
	2	43	-12.0362	1.8290	0.0954	-0.1773	-4.4132	-0.1502
		46	-11.8236	0.7762	0.0840	0.2720	2.1087	-0.1502
44	1	44	77.0128	1.4195	-0.0305	0.4532	3.3963	0.0472
		47	77.1962	0.5118	-0.5772	-1.0700	-1.4342	0.0472
	2	44	-162.9216	0.3325	0.8764	-1.9131	1.2091	-0.0424
		47	-162.7023	0.3319	0.8662	2.4491	-0.4540	-0.0424
45	1	45	77.1203	1.4865	-0.0221	0.4353	-3.6047	-0.5449
		48	77.3058	0.5803	-0.5681	-1.0421	1.5690	-0.5449
	2	45	139.5747	0.7416	-0.1150	0.8859	1.7506	0.3968
		48	139.7418	0.2063	-1.0309	-1.9826	-0.6222	0.3968
46	1	46	-189.9369	0.0246	-1.0648	2.9942	0.0600	-0.0127
		49	-189.7176	0.0246	-1.0743	-2.3603	-0.0629	-0.0127
	2	46	-11.8149	-0.7196	-0.1274	0.2833	2.1157	-0.1119
		49	-11.6020	1.7723	-0.1384	-0.3820	-4.1219	-0.1119
47	1	47	77.2861	0.5009	0.5112	-1.0759	-1.4157	0.0294
		50	77.4715	1.4173	-0.0176	0.1597	3.3865	0.0294
	2	47	-162.7908	0.3057	-0.8602	2.4277	-0.5064	-0.0703
		50	-162.5715	0.3064	-0.8705	-1.9053	1.0260	-0.0703
48	1	48	77.3929	0.6041	0.4823	-1.0515	1.5463	-0.5489
		51	77.5782	1.5204	-0.0465	0.0395	-3.7724	-0.5489
	2	48	139.8927	0.2597	0.9118	-1.9398	-0.6555	0.4158
		51	140.0569	0.7775	-0.0149	0.3057	1.9410	0.4158
49	1	49	-164.1658	0.0018	0.9428	-2.0839	0.0065	0.0088
		52	-163.9464	0.0018	0.9328	2.6115	0.0153	0.0088
	2	49	-10.8543	1.7914	0.0928	-0.1805	-4.2358	-0.2016
		52	-10.6427	0.7134	0.0814	0.2557	2.0346	-0.2016
50	1	50	65.9379	1.4567	-0.0240	0.4257	3.4267	0.0983
		53	66.1240	0.5106	-0.5503	-1.0118	-1.4979	0.0983
	2	50	-140.5652	0.2622	0.7727	-1.6645	1.0579	-0.0413
		53	-140.3459	0.2615	0.7629	2.1795	-0.2531	-0.0413
51	1	51	65.7552	1.7968	0.0758	0.3147	-3.8242	-1.7558
		54	66.3595	0.0299	-0.9527	-1.1100	1.7572	1.2399
	2	51	119.0578	0.8529	0.1849	0.4093	1.7636	1.6072
		54	119.6217	0.1432	-1.6724	-1.9550	-0.5647	-1.3882
52	1	52	-164.0385	0.0018	-0.9004	2.5753	0.0135	0.0020
		55	-163.8191	0.0018	-0.9101	-1.9572	0.0227	0.0020
	2	52	-10.6332	-0.6435	-0.1174	0.2663	2.0420	-0.1453
		55	-10.4212	1.7214	-0.1288	-0.3502	-3.8783	-0.1453
53	1	53	66.2151	0.4927	0.4752	-0.9248	-1.5374	0.0552
		56	66.3990	1.4205	-0.0836	0.0553	3.2516	0.0552
	2	53	-140.4282	0.2102	-0.7617	2.1528	-0.1797	-0.0505
		56	-140.2089	0.2110	-0.7715	-1.6853	0.8748	-0.0505
54	1	54	66.4730	0.5820	0.4919	-1.0095	1.7610	1.1279
		57	66.6569	1.5098	-0.0669	0.0545	-3.4753	1.1279
	2	54	119.8102	0.1744	0.9199	-1.9167	-0.4550	-1.2201
		57	119.9746	0.7226	-0.0179	0.3413	1.7903	-1.2201
55	1	55	-139.1166	-0.0155	0.7643	-1.7079	0.0636	0.0150
		58	-138.8973	-0.0155	0.7548	2.0947	-0.0142	0.0150
	2	55	-9.6869	1.7244	0.0851	-0.1684	-4.0051	-0.2425
		58	-9.4760	0.6464	0.0741	0.2299	1.9292	-0.2425
56	1	56	55.2985	-1.4134	0.0722	0.2319	3.3125	0.1520
		59	55.4814	-0.4850	-0.4868	-0.8065	-1.4388	0.1520
	2	56	-118.9801	-0.2506	0.6707	-1.4915	0.9240	0.0227
		59	-118.7608	-0.2498	0.6608	1.8417	-0.3289	0.0227

57	1	57	55.8064	1.4509	0.0903	0.2352	-3.3665	0.2513
		60	56.0513	0.4924	-0.4897	-0.8178	1.4216	0.2513
	2	57	100.6341	0.6628	0.0652	0.4982	1.5419	-0.3460
		60	100.7983	-0.1346	-0.8725	-1.5225	-0.5042	-0.3460
58	1	58	-138.9839	0.0052	-0.6433	2.0587	-0.0162	0.0069
		61	-138.7646	0.0052	-0.6529	-1.1862	0.0100	0.0069
	2	58	-9.4674	0.5656	-0.1011	0.2387	1.9334	-0.1948
		61	-9.2561	1.6436	-0.1125	-0.2961	-3.5970	-0.1948
59	1	59	55.5617	0.4289	0.3952	-0.7720	-1.4417	0.1189
		62	55.7448	1.3568	-0.1637	-0.1925	3.0283	0.1189
	2	59	-118.8280	0.2146	-0.5733	1.8017	-0.3293	0.0147
		62	-118.6086	0.2155	-0.5830	-1.0929	0.7473	0.0147
60	1	60	56.1309	0.4185	0.3990	-0.7843	1.4163	0.2513
		63	56.3140	1.3464	-0.1599	-0.1858	-3.0017	0.2513
	2	60	100.9295	0.1179	0.7432	-1.4705	-0.4938	-0.3060
		63	101.0931	0.6662	-0.1946	-0.0973	1.4690	-0.3060
61	1	61	-115.0756	0.0119	0.4803	-1.0948	0.0436	0.0151
		64	-114.8878	0.0119	0.4724	1.2899	-0.0160	0.0151
	2	61	-8.6484	1.6093	0.0665	-0.1416	-3.7913	-0.3534
		64	-8.4694	0.5665	0.0571	0.1677	1.6550	-0.3534
62	1	62	44.8175	-1.3296	0.1502	0.0304	3.0980	0.3681
		65	44.9695	-0.4218	-0.3721	-0.5250	-1.2868	0.3681
	2	62	-98.2799	0.2389	0.4329	-0.9912	0.8957	0.1090
		65	-98.0920	0.2382	0.4242	1.1547	-0.2988	0.1090
63	1	63	45.4455	1.3130	0.1499	0.0346	-3.0429	-0.2567
		66	45.5975	0.4052	-0.3724	-0.5222	1.2588	-0.2567
	2	63	81.9467	-0.6310	0.2528	0.0681	1.4292	0.1394
		66	82.0783	-0.1180	-0.6634	-0.9600	-0.4459	0.1394
64	1	64	-114.9248	0.0038	-0.4359	1.3051	-0.0152	0.0091
		67	-114.7369	0.0038	-0.4440	-0.8974	0.0037	0.0091
	2	64	-8.4641	0.3999	-0.0769	0.1778	1.6479	-0.3020
		67	-8.2847	-1.4428	-0.0867	-0.2317	-2.9648	-0.3020
65	1	65	45.0129	0.3176	0.3165	-0.4961	-1.2915	0.3541
		68	45.1649	1.2153	-0.2229	-0.2617	2.5458	0.3541
	2	65	-98.1071	0.1750	-0.3867	1.1736	-0.2743	0.0906
		68	-97.9192	0.1757	-0.3948	-0.7827	0.6037	0.0906
66	1	66	45.6405	-0.3186	0.3046	-0.4932	1.2649	-0.2473
		69	45.7926	1.2162	-0.2348	-0.3186	-2.5773	-0.2473
	2	66	82.1485	0.0838	0.5789	-0.9665	-0.4288	0.1526
		69	82.2817	0.6142	-0.3271	-0.3360	1.3185	0.1526
67	1	67	-91.6417	0.0174	0.3883	-0.8769	0.0552	0.0165
		70	-91.4538	0.0174	0.3802	1.0469	-0.0322	0.0165
	2	67	-7.7682	1.4628	0.0604	-0.1186	-3.1400	-0.5780
		70	-7.5899	0.4197	0.0506	0.1594	1.5727	-0.5780
68	1	68	34.2250	-1.2442	0.1821	-0.0173	2.6583	0.8034
		71	34.3784	-0.3287	-0.3260	-0.3776	-1.2789	0.8034
	2	68	-77.4788	-0.1996	0.3148	-0.7263	0.6988	0.3335
		71	-77.2909	-0.1988	0.3068	0.8295	-0.2982	0.3335
69	1	69	34.8518	1.3822	0.2746	-0.0743	-2.6921	-0.7709
		72	35.2458	0.2234	-0.3786	-0.4065	1.1969	-0.6331
	2	69	62.9965	-0.6724	0.5166	-0.2260	1.2550	0.6877
		72	63.3646	-0.0405	-0.6623	-0.7185	-0.4547	0.5499
70	1	70	-91.4623	0.0085	-0.3512	1.0631	-0.0315	0.0101
		73	-91.2744	0.0085	-0.3588	-0.7141	0.0110	0.0101
	2	70	-7.5828	-0.3958	-0.0723	0.1691	1.5674	-0.5690
		73	-7.4040	-1.4386	-0.0817	-0.2164	-3.0244	-0.5690
71	1	71	34.4209	0.3787	0.2483	-0.3291	-1.2910	0.8356
		74	34.5723	1.2764	-0.2911	-0.4360	2.8520	0.8356

	2	71	-77.3073	0.1609	-0.2796	0.8528	-0.2692	0.3548
		74	-77.1194	0.1618	-0.2877	-0.5672	0.5387	0.3548
72	1	72	35.2903	0.3484	0.2348	-0.3595	1.2119	-0.6654
		75	35.4418	1.2461	-0.3046	-0.5340	-2.7797	-0.6654
	2	72	63.4379	0.1341	0.4570	-0.7268	-0.4347	0.6223
		75	63.5706	0.6644	-0.4490	-0.7067	1.5642	0.6223
73	1	73	-70.0814	0.0187	0.3074	-0.7125	0.0632	0.0146
		76	-69.9523	0.0187	0.3018	0.8125	-0.0307	0.0146
	2	73	-6.8646	1.5816	0.0537	-0.1122	-3.1444	-1.4984
		76	-5.7800	0.2775	-0.0038	0.1129	1.2431	0.9782
74	1	74	24.2677	1.5109	0.3454	-0.3063	2.8862	2.2732
		77	25.2855	0.5512	-0.8765	-0.5343	-1.0405	-1.7311
	2	74	-58.8763	0.2209	0.2497	-0.5735	0.7090	1.0313
		77	-58.7472	0.2203	0.2439	0.6623	-0.3953	1.0313
75	1	75	25.4258	1.5874	0.4306	-0.3403	-2.7729	-2.0661
		78	25.9280	0.2716	-0.6491	-0.5754	0.8116	1.2553
	2	75	45.5969	0.8605	0.7755	-0.6587	1.3969	2.0154
		78	46.0575	0.1900	-1.1109	-0.9905	-0.3516	-1.3054
76	1	76	-69.9603	0.0034	-0.2685	0.8295	-0.0297	0.0065
		79	-69.8312	0.0034	-0.2739	-0.5281	-0.0128	0.0065
	2	76	-5.7694	0.2094	-0.0523	0.1215	1.2496	0.8683
		79	-5.6495	1.2319	-0.0590	-0.1570	-2.3588	0.8683
77	1	77	25.3626	0.2106	0.3159	-0.4987	-1.0680	-1.4939
		80	25.4556	1.0906	-0.2101	-0.2336	2.1893	-1.4939
	2	77	-58.7440	0.2277	-0.2168	0.6867	-0.3815	1.1638
		80	-58.6148	0.2283	-0.2223	-0.4125	0.7598	1.1638
78	1	78	25.9921	0.1311	0.3273	-0.5449	0.8379	1.1099
		81	26.0851	1.0212	-0.1987	-0.2230	-2.0217	1.1099
	2	78	46.1609	0.0426	0.5807	-0.9798	-0.3485	-1.1177
		81	46.2353	0.5625	-0.3047	-0.2890	1.1663	-1.1177
79	1	79	-49.6815	0.0099	0.2928	-0.6189	0.0306	0.0105
		82	-49.5524	0.0099	0.2876	0.8338	-0.0190	0.0105
	2	79	-5.1267	1.1883	0.0396	-0.0803	-2.3636	0.1657
		82	-5.0079	0.1657	0.0331	0.1017	1.0257	0.1657
80	1	80	17.0209	0.9999	0.2402	-0.1429	1.9802	-0.4005
		83	17.1129	0.1197	-0.2858	-0.2570	-0.8223	-0.4005
	2	80	-40.2163	0.3001	0.3103	-0.5884	0.9135	3.2631
		83	-40.0871	0.2994	0.3048	0.9514	-0.5875	3.2631
81	1	81	17.4992	0.9742	0.2294	-0.1051	-1.9036	0.3093
		84	17.5913	0.0941	-0.2965	-0.2731	0.7706	0.3093
	2	81	31.0037	0.5126	0.3756	-0.1641	0.9494	-0.3420
		84	31.0778	0.0074	-0.5098	-0.4999	-0.3154	-0.3420
82	1	82	-49.6045	0.0030	-1.1594	0.8686	-0.0186	0.0051
		85	-48.1729	0.0030	0.0712	0.0025	-0.0037	0.0051
	2	82	-5.0004	0.0815	-0.0453	0.1093	1.0265	0.2059
		85	-4.8811	1.1041	-0.0520	-0.1343	-1.9416	0.2059
83	1	83	17.1516	0.0594	0.2429	-0.2519	-0.8278	-0.3969
		86	17.2440	0.9396	-0.2831	-0.3527	1.6730	-0.3969
	2	83	-40.1635	0.8320	-1.9017	1.0054	-0.6123	3.8844
		86	-38.6969	0.4999	0.2796	0.2700	0.8886	-3.9214
84	1	84	17.6285	0.0368	0.2483	-0.2699	0.7739	0.3255
		87	17.7210	0.9169	-0.2777	-0.3436	-1.6136	0.3255
	2	84	31.1345	0.0442	0.4489	-0.5002	-0.3200	-0.3237
		87	31.2085	0.4758	-0.4365	-0.4693	0.7605	-0.3237
85	1	85	-32.2738	0.0129	0.0589	-0.0875	0.0366	0.0069
		88	-32.1565	0.0129	0.0540	0.1950	-0.0281	0.0069
	2	85	-4.4985	1.0613	0.0338	-0.0716	-2.0491	-0.1855

		88	-4.3913	0.1038	0.0277	0.0822	0.8674	-0.1855
86	1	86	9.2899	-0.8949	0.2422	-0.2033	1.7013	0.0000
		89	9.3739	0.0546	-0.2215	-0.1515	-0.6753	0.0000
	2	86	-26.5132	0.1612	0.0109	0.0706	0.5656	-1.1622
		89	-26.3959	-0.1606	0.0061	0.1132	-0.2400	-1.1622
87	1	87	9.8170	0.8747	0.2370	-0.1899	-1.6469	0.0494
		90	9.9011	0.0344	-0.2266	-0.1639	0.6287	0.0494
	2	87	17.9799	0.4070	0.4340	-0.3620	0.6981	-0.1222
		90	18.0453	0.0513	-0.4109	-0.3040	-0.1922	-0.1222
88	1	88	-32.1345	0.0114	-0.0708	0.2224	-0.0278	0.0032
		91	-32.0172	0.0114	-0.0754	-0.1434	0.0292	0.0032
	2	88	-4.3791	-0.0186	-0.0387	0.0936	0.8617	-0.1100
		91	-4.2713	0.9759	-0.0446	-0.1150	-1.6274	-0.1100
89	1	89	9.4044	0.0015	0.1991	-0.1419	-0.6752	-0.0457
		92	9.4869	0.8319	-0.2775	-0.3381	1.4037	-0.0457
	2	89	-26.3776	0.1303	-0.0482	0.1448	-0.2621	-1.0848
		92	-26.2603	0.1309	-0.0533	-0.1093	0.3918	-1.0848
90	1	90	9.9323	0.0159	0.2048	-0.1551	0.6286	0.1064
		93	10.0149	0.8175	-0.2718	-0.3228	-1.3782	0.1064
	2	90	18.0911	0.0662	0.3811	-0.3153	-0.1902	-0.1275
		93	18.1546	0.4048	-0.4571	-0.5056	0.6575	-0.1275
91	1	91	-16.2262	0.0108	0.0998	-0.1247	0.0325	-0.0068
		94	-16.1089	0.0108	0.0950	0.3630	-0.0215	-0.0068
	2	91	-3.8136	0.9250	0.0283	-0.0592	-1.7856	-0.8431
		94	-3.7067	0.0325	0.0222	0.0671	0.4486	-0.8431
92	1	92	2.3203	0.7944	0.2600	-0.2714	1.5182	0.3822
		95	2.4020	0.0297	-0.2323	-0.2020	-0.3963	0.3822
	2	92	-13.4620	0.0570	0.0865	-0.1052	0.2317	-0.2388
		95	-13.3447	0.0563	0.0815	0.3154	-0.0519	-0.2388
93	1	93	2.7651	0.7427	0.2398	-0.2451	-1.4108	-0.0966
		96	2.8468	0.0814	-0.2525	-0.2769	0.2446	-0.0966
	2	93	6.1985	0.3845	0.3891	-0.3666	0.6737	-0.0012
		96	6.2634	0.1023	-0.4397	-0.4934	-0.0326	-0.0012
94	1	94	-16.0938	0.0029	-0.4502	0.4204	-0.0207	-0.0128
		97	-15.2599	0.0029	0.5373	0.1457	-0.0352	-0.0128
	2	94	-3.6939	0.5515	-0.0321	0.0796	0.4382	-0.9141
		97	-2.9223	1.4336	-0.0732	-0.1465	-1.3647	1.1081
95	1	95	2.4317	0.4058	0.3710	-0.2163	-0.3856	0.3685
		98	3.1509	1.3030	-0.6779	-0.7080	1.4210	0.3685
	2	95	-13.3310	0.1490	-0.3872	0.3639	-0.0541	-0.2206
		98	-12.5050	0.3748	0.4577	0.1184	0.2513	-0.2206
96	1	96	2.8763	0.5509	0.4447	-0.2984	0.2327	-0.0442
		99	3.5956	1.1578	-0.6042	-0.4212	-0.8469	-0.0442
	2	96	6.3055	-0.3487	0.7478	-0.5342	-0.0285	-0.0149
		99	6.9894	0.6608	-0.9988	-0.7065	0.4933	-0.0149
101	1	4	0.1487	0.0282	-0.0837	0.1312	0.0476	-0.0005
		101	0.1487	0.0282	-0.1013	-0.1376	-0.0343	-0.0005
	2	4	0.0641	-0.1055	-0.0614	0.1090	0.1663	0.0122
		101	0.0641	0.1055	-0.0790	-0.0951	-0.1405	0.0122
102	1	102	0.0077	0.0714	0.0189	-0.0112	-0.0942	-0.0049
		5	0.0078	0.0714	0.0014	0.0183	0.1134	-0.0049
	2	102	0.1451	0.0145	0.0938	-0.1259	-0.0194	-0.0009
		5	0.1451	0.0145	0.0763	0.1213	0.0228	-0.0009
103	1	5	0.0248	0.0890	0.0770	-0.1092	-0.1416	-0.0068
		103	0.0248	0.0890	0.0594	0.0892	0.1173	-0.0068
	2	5	0.1779	0.0033	-0.0608	0.0964	-0.0079	-0.0008
		103	0.1780	0.0033	-0.0784	-0.1061	0.0018	-0.0008

104	1	104	0.0264	0.0931	-0.0613	0.0918	0.1234	0.0075
		6	0.0264	-0.0931	-0.0789	-0.1122	-0.1474	0.0075
	2	104	-0.0508	0.0212	-0.0381	0.0666	-0.0167	0.0003
		6	-0.0508	0.0212	-0.0557	-0.0698	0.0450	0.0003
105	1	6	0.0732	-0.0623	-0.0034	0.0218	0.0937	0.0057
		105	0.0731	0.0623	-0.0210	-0.0135	-0.0874	0.0057
	2	6	0.0429	0.0403	0.0735	-0.0983	-0.0665	-0.0015
		105	0.0429	0.0403	0.0560	0.0899	0.0507	-0.0015
106	1	106	0.1487	0.0255	0.0993	-0.1351	-0.0306	0.0011
		4	0.1487	0.0255	0.0817	0.1280	0.0436	0.0011
	2	106	0.0728	0.1038	-0.0437	0.0620	0.1425	0.0117
		4	0.0728	0.1038	-0.0612	-0.0904	-0.1593	0.0117
107	1	7	0.2278	0.0020	-0.0048	0.0477	0.0026	-0.0045
		107	0.2279	0.0020	-0.0398	-0.0818	-0.0092	-0.0045
	2	7	-2.2394	-0.0115	0.0107	0.0052	0.0413	-0.0003
		107	-2.2395	0.0115	-0.0244	-0.0345	-0.0258	-0.0003
108	1	108	-1.5583	0.0066	0.0098	0.0075	-0.0171	0.0020
		8	-1.5582	0.0066	-0.0253	-0.0375	0.0211	0.0020
	2	108	0.1240	0.0055	0.0367	-0.0729	-0.0146	0.0036
		8	0.1240	0.0055	0.0016	0.0386	0.0176	0.0036
109	1	8	1.3801	0.0080	0.0339	-0.0645	-0.0306	0.0035
		109	1.3801	0.0080	-0.0012	0.0304	0.0157	0.0035
	2	8	0.5943	0.0037	-0.0002	0.0345	-0.0156	0.0006
		109	0.5944	0.0037	-0.0353	-0.0686	0.0061	0.0006
110	1	110	1.4494	0.0074	0.0011	0.0305	0.0134	-0.0035
		9	1.4494	0.0074	-0.0340	-0.0648	-0.0296	-0.0035
	2	110	-0.3940	0.0085	-0.0030	0.0439	-0.0216	0.0026
		9	-0.3939	0.0085	-0.0381	-0.0757	0.0278	0.0026
111	1	9	-1.5632	-0.0049	0.0260	-0.0395	0.0149	-0.0008
		111	-1.5632	-0.0049	-0.0091	0.0095	-0.0133	-0.0008
	2	9	0.2285	0.0058	0.0402	-0.0817	-0.0222	0.0048
		111	0.2285	0.0058	0.0051	0.0500	0.0115	0.0048
112	1	112	0.3053	0.0019	0.0396	-0.0811	-0.0090	0.0049
		7	0.3052	0.0019	0.0045	0.0468	0.0021	0.0049
	2	112	2.3222	-0.0075	0.0109	0.0013	0.0140	0.0006
		7	2.3221	0.0075	-0.0242	-0.0375	-0.0294	0.0006
113	1	10	0.5646	0.0014	0.0249	-0.0340	-0.0105	0.0035
		113	0.5647	0.0014	-0.0277	-0.0465	0.0013	0.0035
	2	10	-0.8186	-0.0019	0.0271	-0.0368	0.0086	-0.0001
		113	-0.8186	0.0019	-0.0255	-0.0298	-0.0081	-0.0001
114	1	114	-0.7069	0.0003	0.0232	-0.0189	-0.0023	0.0019
		11	-0.7068	0.0003	-0.0294	-0.0461	0.0000	0.0019
	2	114	0.6694	0.0018	0.0274	-0.0440	-0.0100	0.0010
		11	0.6693	0.0018	-0.0252	-0.0343	0.0055	0.0010
115	1	11	0.5130	0.0010	0.0294	-0.0506	-0.0067	0.0007
		115	0.5130	0.0010	-0.0233	-0.0240	0.0024	0.0007
	2	11	0.3791	0.0009	0.0250	-0.0343	-0.0068	0.0058
		115	0.3792	0.0009	-0.0277	-0.0460	0.0014	0.0058
116	1	116	0.5504	-0.0008	0.0233	-0.0241	0.0008	-0.0003
		12	0.5505	-0.0008	-0.0294	-0.0507	-0.0063	-0.0003
	2	116	-0.3493	0.0016	0.0213	-0.0108	-0.0077	0.0060
		12	-0.3493	0.0016	-0.0314	-0.0547	0.0059	0.0060
117	1	12	-0.7067	0.0000	0.0295	-0.0465	-0.0013	-0.0011
		117	-0.7067	0.0000	-0.0231	-0.0183	-0.0011	-0.0011
	2	12	-0.1828	0.0013	0.0306	-0.0528	-0.0071	0.0017
		117	-0.1829	0.0013	-0.0220	-0.0158	0.0046	0.0017
118	1	118	0.6014	-0.0013	0.0277	-0.0463	0.0009	-0.0034
		10	0.6013	-0.0013	-0.0250	-0.0344	-0.0101	-0.0034

	2	118	1.1393	0.0009	0.0248	-0.0335	0.0010	0.0004
		10	1.1393	0.0009	-0.0278	-0.0469	-0.0069	0.0004
119	1	16	1.8295	0.0075	0.0141	-0.0139	-0.0187	0.0000
		119	1.8295	0.0075	-0.0176	-0.0236	0.0230	0.0000
	2	16	2.9930	0.0069	0.0199	-0.0124	0.0076	0.0000
		119	2.9930	0.0069	-0.0118	0.0103	-0.0311	0.0000
120	1	120	0.9838	0.0073	0.0115	0.0103	-0.0301	0.0000
		17	0.9839	0.0073	-0.0203	-0.0144	0.0108	0.0000
	2	120	2.7988	0.0004	0.0150	-0.0130	-0.0022	0.0000
		17	2.7988	0.0004	-0.0168	-0.0179	-0.0043	0.0000
121	1	17	-2.8303	0.0024	0.0160	-0.0159	-0.0063	0.0000
		121	-2.8303	0.0024	-0.0158	-0.0153	0.0070	0.0000
	2	17	0.6761	0.0092	0.0136	-0.0138	-0.0222	0.0000
		121	0.6762	0.0092	-0.0181	-0.0264	0.0290	0.0000
122	1	122	-2.8965	0.0052	0.0167	-0.0181	0.0163	0.0000
		18	-2.8965	0.0052	-0.0151	-0.0136	-0.0128	0.0000
	2	122	-0.9538	0.0043	0.0124	0.0057	-0.0197	0.0000
		18	-0.9538	0.0043	-0.0193	-0.0135	0.0043	0.0000
123	1	18	1.0478	0.0101	0.0219	-0.0173	0.0160	0.0000
		123	1.0478	0.0101	-0.0098	0.0166	-0.0402	0.0000
	2	18	-2.6329	0.0047	0.0192	-0.0173	0.0078	0.0000
		123	-2.6329	0.0047	-0.0125	0.0016	-0.0186	0.0000
124	1	124	1.7746	0.0023	0.0154	-0.0168	0.0057	0.0000
		16	1.7746	0.0023	-0.0163	-0.0194	-0.0069	0.0000
	2	124	-2.5261	0.0078	0.0175	-0.0265	0.0269	0.0000
		16	-2.5261	0.0078	-0.0142	-0.0175	-0.0165	0.0000
125	1	22	1.9928	0.0080	0.0129	-0.0115	-0.0192	0.0000
		125	1.9929	0.0080	-0.0175	-0.0237	0.0238	0.0000
	2	22	2.5843	0.0062	0.0195	-0.0115	0.0044	0.0000
		125	2.5843	0.0062	-0.0109	0.0115	-0.0289	0.0000
126	1	126	0.8799	0.0086	0.0094	0.0140	-0.0321	0.0000
		23	0.8799	0.0086	-0.0211	-0.0174	0.0142	0.0000
	2	126	1.9890	0.0027	0.0152	-0.0134	0.0041	0.0000
		23	1.9889	0.0027	-0.0153	-0.0138	-0.0104	0.0000
127	1	23	-2.3630	0.0011	0.0160	-0.0170	-0 0022	0.0000
		127	-2.3630	0.0011	-0.0144	-0.0127	0.0038	0.0000
	2	23	0.5084	0.0128	0.0103	-0.0039	-0.0331	0.0000
		127	0.5085	0.0128	-0.0202	-0.0303	0.0356	0.0000
128	1	128	-2.4377	0.0040	0.0155	-0.0162	0.0130	0.0000
		24	-2.4377	0.0040	-0.0149	-0.0145	-0.0085	0.0000
	2	128	-0.8235	0.0079	0.0091	0.0119	-0.0270	0.0000
		24	-0.8234	0.0079	-0.0213	-0.0208	0.0152	0.0000
129	1	24	0.9532	0.0113	0.0226	-0.0199	0.0190	0.0000
		129	0.9531	0.0113	-0.0079	0.0196	-0.0416	0.0000
	2	24	-2.0155	0.0066	0.0197	-0.0196	0.0128	0.0000
		129	-2.0155	0.0066	-0.0108	0.0044	-0.0223	0.0000
130	1	130	1.9233	0.0027	0.0151	-0.0170	0.0072	0.0000
		22	1.9233	0.0027	-0.0153	-0.0174	-0.0071	0.0000
	2	130	-2.1847	0.0063	0.0163	-0.0244	0.0232	0.0000
		22	-2.1847	0.0063	-0.0141	-0.0185	-0.0108	0.0000
131	1	28	0.9915	0.0183	0.0073	0.0017	-0.0464	0.0000
		131	0.9916	0.0183	-0.0219	-0.0358	0.0478	0.0000
	2	28	2.4207	0.0135	0.0225	-0.0179	0.0212	0.0000
		131	2.4206	0.0135	-0.0066	0.0230	-0.0483	0.0000
132	1	132	0.8812	0.0124	0.0071	0.0213	-0.0430	0.0000
		29	0.8813	0.0124	-0.0221	-0.0171	0.0205	0.0000
	2	132	1.8097	0.0023	0.0139	-0.0147	0.0069	0.0000

		29	1.8096	-0.0023	-0.0152	-0.0179	-0.0051	0.0000
133	1	29	-2.3353	0.0028	0.0145	-0.0135	-0.0062	0.0000
		133	-2.3353	0.0028	-0.0147	-0.0141	0.0081	0.0000
	2	29	0.3943	0.0277	0.0013	0.0196	-0.0753	0.0000
		133	0.3944	0.0277	-0.0279	-0.0487	0.0672	0.0000
134	1	134	-2.4088	0.0070	0.0166	-0.0199	0.0211	0.0000
		30	-2.4088	0.0070	-0.0126	-0.0098	-0.0149	0.0000
	2	134	-0.9162	0.0171	0.0038	0.0237	-0.0463	0.0001
		30	-0.9161	0.0171	-0.0254	-0.0319	0.0416	0.0001
135	1	30	0.9364	0.0158	0.0239	-0.0196	0.0259	0.0000
		135	0.9363	0.0158	-0.0052	0.0283	-0.0551	0.0000
	2	30	-1.9031	0.0065	0.0182	-0.0118	0.0073	0.0000
		135	-1.9032	0.0065	-0.0110	0.0067	-0.0262	0.0000
136	1	136	0.9203	0.0110	0.0183	-0.0254	0.0256	-0.0001
		28	0.9202	0.0110	-0.0109	-0.0065	-0.0309	-0.0001
	2	136	-2.1574	0.0159	0.0206	-0.0367	0.0471	0.0000
		28	-2.1575	0.0159	-0.0086	-0.0059	-0.0347	0.0000
137	1	34	1.2507	0.0232	0.0044	0.0084	-0.0578	0.0000
		137	1.2508	0.0232	-0.0235	-0.0384	0.0562	0.0000
	2	34	2.1259	0.0152	0.0226	-0.0171	0.0222	0.0000
		137	2.1258	0.0152	-0.0052	0.0256	-0.0522	0.0000
138	1	138	0.4906	0.0134	0.0063	0.0228	-0.0454	0.0000
		35	0.4907	0.0134	-0.0217	-0.0151	0.0205	0.0000
	2	138	1.9275	0.0027	0.0127	-0.0136	0.0100	0.0000
		35	1.9274	0.0027	-0.0153	-0.0200	-0.0034	0.0000
139	1	35	-2.1821	0.0027	0.0137	-0.0131	-0.0040	0.0000
		139	-2.1821	0.0027	-0.0143	-0.0145	0.0094	0.0000
	2	35	0.6855	0.0457	0.0442	-0.1019	0.1292	-0.0001
		139	0.6857	0.0457	0.0162	0.0469	-0.0961	-0.0001
140	1	140	-2.2490	0.0046	0.0148	-0.0180	0.0180	0.0000
		36	-2.2490	0.0046	-0.0132	-0.0139	-0.0048	0.0000
	2	140	-1.1616	0.0423	0.0358	-0.0454	0.0875	0.0000
		36	-1.1615	0.0423	0.0078	0.0622	-0.1209	0.0000
141	1	36	0.5540	0.0166	0.0234	-0.0165	0.0242	0.0000
		141	0.5539	0.0166	-0.0046	0.0298	-0.0578	0.0000
	2	36	-1.9829	0.0074	0.0175	-0.0098	0.0081	0.0000
		141	-1.9830	0.0074	-0.0104	0.0077	-0.0286	0.0000
142	1	142	1.1844	0.0155	0.0195	-0.0277	0.0343	-0.0001
		34	1.1843	0.0155	-0.0083	-0.0002	-0.0419	-0.0001
	2	142	-1.8543	0.0178	0.0206	-0.0374	0.0515	0.0000
		34	-1.8544	0.0178	-0.0073	-0.0048	-0.0359	0.0000
143	1	40	1.3922	0.0149	0.0015	0.0092	-0.0346	0.0000
		143	1.3923	0.0149	-0.0168	-0.0265	0.0351	0.0000
	2	40	1.7124	0.0085	0.0146	-0.0137	0.0136	0.0000
		143	1.7123	0.0085	-0.0037	0.0117	-0.0262	0.0000
144	1	144	0.3782	0.0109	0.0026	0.0132	-0.0297	0.0000
		41	0.3783	0.0109	-0.0158	-0.0178	0.0218	0.0000
	2	144	1.5933	0.0067	0.0121	-0.0137	0.0139	0.0000
		41	1.5932	0.0067	-0.0062	0.0002	-0.0176	0.0000
145	1	41	-1.8361	0.0006	0.0092	-0.0084	0.0000	0.0000
		145	-1.8361	0.0006	-0.0092	-0.0084	0.0027	0.0000
	2	41	0.3938	0.0145	0.0016	0.0086	-0.0335	0.0000
		145	0.3938	0.0145	-0.0167	-0.0269	0.0346	0.0000
146	1	146	-1.9100	-0.0021	0.0099	-0.0119	0.0093	0.0000
		42	-1.9100	-0.0021	-0.0085	-0.0086	-0.0004	0.0000
	2	146	-0.9926	0.0080	0.0040	0.0092	-0.0221	0.0000
		42	-0.9925	0.0080	-0.0144	-0.0151	0.0157	0.0000

147	1	42	0.4458	0.0120	0.0166	-0.0175	0.0208	0.0000
		147	0.4458	0.0120	-0.0018	0.0174	-0.0356	0.0000
	2	42	-1.7504	0.0092	0.0146	-0.0186	0.0215	0.0000
		147	-1.7504	0.0092	-0.0038	0.0069	-0.0219	0.0000
148	1	148	1.3310	0.0106	0.0142	-0.0196	0.0234	0.0000
		40	1.3309	0.0106	-0.0041	0.0040	-0.0261	0.0000
	2	148	-1.4321	0.0099	0.0139	-0.0223	0.0270	0.0000
		40	-1.4321	0.0099	-0.0044	0.0000	-0.0195	0.0000
149	1	46	0.8812	0.0186	-0.0008	0.0140	-0.0423	0.0000
		149	0.8812	0.0186	-0.0182	-0.0285	0.0407	0.0000
	2	46	1.5992	0.0108	0.0154	-0.0157	0.0183	0.0000
		149	1.5991	0.0108	-0.0021	0.0141	-0.0300	0.0000
150	1	150	0.3591	0.0105	0.0025	0.0127	-0.0283	0.0000
		47	0.3591	0.0105	-0.0150	-0.0151	0.0184	0.0000
	2	150	1.5359	0.0064	0.0114	-0.0116	0.0119	0.0000
		47	1.5358	0.0064	-0.0061	0.0001	-0.0166	0.0000
151	1	47	-1.8325	0.0005	0.0096	-0.0097	0.0026	0.0000
		151	-1.8325	0.0005	-0.0079	-0.0060	0.0005	0.0000
	2	47	0.5643	0.0191	-0.0013	0.0138	-0.0416	0.0000
		151	0.5644	0.0191	-0.0188	-0.0313	0.0440	0.0000
152	1	152	-1.9783	0.0006	0.0077	-0.0109	0.0089	0.0000
		48	-1.9783	0.0006	-0.0098	-0.0156	0.0114	0.0000
	2	152	-1.0167	0.0084	0.0034	0.0130	-0.0276	0.0000
		48	-1.0166	0.0084	-0.0141	-0.0111	0.0101	0.0000
153	1	48	0.5484	0.0085	0.0139	-0.0076	0.0055	0.0000
		153	0.5483	0.0085	-0.0035	0.0157	-0.0323	0.0000
	2	48	-1.6809	0.0121	0.0160	-0.0248	0.0324	0.0000
		153	-1.6810	0.0121	-0.0015	0.0074	-0.0216	0.0000
154	1	154	0.8135	0.0152	0.0160	-0.0226	0.0319	0.0000
		46	0.8134	0.0152	-0.0014	0.0099	-0.0362	0.0000
	2	154	-1.3887	0.0121	0.0145	-0.0228	0.0302	0.0000
		46	-1.3887	0.0121	-0.0030	0.0028	-0.0240	0.0000
155	1	52	0.9461	0.0280	-0.0052	0.0230	-0.0602	0.0000
		155	0.9462	0.0280	-0.0243	-0.0395	0.0585	0.0000
	2	52	1.4777	0.0156	0.0182	-0.0162	0.0230	0.0000
		155	1.4776	0.0156	-0.0009	0.0207	-0.0434	0.0000
156	1	156	0.2633	0.0240	-0.0041	0.0299	-0.0582	0.0000
		53	0.2635	0.0240	-0.0232	-0.0279	0.0436	0.0000
	2	156	1.6035	0.0197	0.0200	-0.0266	0.0362	0.0000
		53	1.6034	0.0197	0.0008	0.0177	-0.0474	0.0000
157	1	53	-1.5725	0.0005	0.0113	-0.0127	0.0044	0.0000
		157	-1.5725	0.0005	-0.0078	-0.0053	0.0021	0.0000
	2	53	0.1792	0.0297	-0.0058	0.0217	-0.0604	0.0000
		157	0.1793	0.0297	-0.0249	-0.0434	0.0660	0.0000
158	1	158	-1.3600	0.0214	-0.0048	0.0017	-0.0108	0.0000
		54	-1.3600	0.0214	-0.0239	-0.0593	0.0801	0.0000
	2	158	-1.4621	0.0026	0.0089	0.0172	-0.0271	0.0001
		54	-1.4620	0.0026	-0.0102	0.0144	-0.0380	0.0001
159	1	54	-0.4484	0.0016	0.0118	0.0142	-0.0336	-0.0001
		159	-0.4485	0.0016	-0.0073	0.0237	-0.0404	-0.0001
	2	54	-1.8082	0.0444	0.0373	-0.0831	0.1246	0.0001
		159	-1.8082	0.0444	0.0181	0.0346	-0.0641	0.0001
160	1	160	0.9536	0.0249	0.0222	-0.0352	0.0522	0.0000
		52	0.9535	0.0249	0.0031	0.0187	-0.0535	0.0000
	2	160	-1.2533	0.0182	0.0174	-0.0291	0.0442	0.0000
		52	-1.2533	0.0182	-0.0017	0.0043	-0.0331	0.0000
161	1	58	0.8706	0.0287	-0.0060	0.0230	-0.0584	0.0000
		161	0.8707	0.0287	-0.0241	-0.0375	0.0571	0.0000

	2	58	1.3303	-0.0141	0.0164	-0.0109	0.0161	0.0000
		161	1.3302	-0.0141	-0.0017	0.0188	-0.0406	0.0000
162	1	162	0.3803	0.0247	-0.0044	0.0296	-0.0589	0.0000
		59	0.3805	0.0247	-0.0225	-0.0247	0.0405	0.0000
	2	162	1.1384	0.0227	0.0211	-0.0261	0.0380	0.0000
		59	1.1383	0.0227	0.0030	0.0223	-0.0535	0.0000
163	1	59	-1.4588	0.0009	0.0116	-0.0152	0.0078	0.0000
		163	-1.4588	0.0009	-0.0065	-0.0050	0.0042	0.0000
	2	59	0.1853	0.0325	-0.0078	0.0238	-0.0618	0.0000
		163	0.1854	0.0325	-0.0260	-0.0443	0.0691	0.0000
164	1	164	-1.4525	0.0036	0.0049	-0.0076	0.0083	-0.0001
		60	-1.4525	0.0036	-0.0133	-0.0246	0.0230	-0.0001
	2	164	-0.7275	0.0190	-0.0021	0.0275	-0.0520	0.0001
		60	-0.7274	0.0190	-0.0202	-0.0174	0.0248	0.0001
165	1	60	0.3658	0.0202	0.0201	-0.0145	0.0231	-0.0001
		165	0.3657	0.0202	0.0019	0.0298	-0.0583	-0.0001
	2	60	-1.2586	0.0262	0.0248	-0.0433	0.0643	0.0001
		165	-1.2587	0.0262	0.0067	0.0202	-0.0414	0.0001
166	1	166	0.9186	0.0246	0.0217	-0.0325	0.0488	0.0000
		58	0.9185	0.0246	0.0036	0.0184	-0.0504	0.0000
	2	166	-1.1100	0.0178	0.0162	-0.0273	0.0439	0.0000
		58	-1.1101	0.0178	-0.0020	0.0012	-0.0278	0.0000
167	1	64	0.5845	0.0299	0.0067	-0.0081	-0.0597	0.0004
		167	0.5846	0.0299	-0.0036	-0.0021	0.0543	0.0004
	2	64	1.0592	0.0132	0.0047	0.0003	0.0175	-0.0001
		167	1.0592	0.0132	-0.0055	-0.0012	-0.0329	-0.0001
168	1	168	0.3349	0.0173	0.0062	-0.0022	-0.0408	0.0004
		65	0.3349	0.0173	-0.0040	0.0020	0.0247	0.0004
	2	168	0.8466	-0.0189	0.0036	-0.0006	0.0286	-0.0006
		65	0.8465	-0.0189	-0.0066	-0.0063	-0.0430	-0.0006
169	1	65	-1.0761	-0.0009	0.0069	-0.0071	0.0090	0.0005
		169	-1.0761	-0.0009	-0.0034	-0.0006	0.0054	0.0005
	2	65	-0.1842	0.0339	0.0068	-0.0085	-0.0635	0.0011
		169	-0.1841	0.0339	-0.0035	-0.0023	0.0658	0.0011
170	1	170	-1.0523	0.0007	0.0038	-0.0016	0.0080	-0.0006
		66	-1.0523	0.0007	-0.0065	-0.0068	0.0106	-0.0006
	2	170	-0.3967	0.0200	0.0056	-0.0016	-0.0448	0.0016
		66	-0.3966	0.0200	-0.0046	0.0003	0.0315	0.0016
171	1	66	0.3249	-0.0166	0.0047	0.0009	0.0216	-0.0007
		171	0.3248	-0.0166	-0.0056	-0.0008	-0.0415	-0.0007
	2	66	-0.9693	-0.0187	0.0056	-0.0029	0.0432	0.0012
		171	-0.9693	-0.0187	-0.0046	-0.0009	-0.0279	0.0012
172	1	172	0.6209	-0.0262	0.0027	0.0001	0.0460	-0.0015
		64	0.6208	-0.0262	-0.0076	-0.0090	-0.0537	-0.0015
	2	172	-0.8873	-0.0191	0.0021	0.0004	0.0415	-0.0007
		64	-0.8874	-0.0191	-0.0082	-0.0112	-0.0311	-0.0007
173	1	70	0.2615	0.0352	0.0072	-0.0089	-0.0650	-0.0001
		173	0.2615	0.0352	-0.0025	-0.0005	0.0611	-0.0001
	2	70	0.8757	-0.0079	0.0043	0.0005	-0.0011	-0.0011
		173	0.8757	-0.0079	-0.0053	-0.0013	-0.0294	-0.0011
174	1	174	0.2879	0.0137	0.0055	-0.0007	-0.0441	0.0011
		71	0.2880	0.0137	-0.0042	0.0016	0.0049	0.0011
	2	174	0.8503	-0.0287	0.0027	0.0012	0.0384	-0.0002
		71	0.8503	-0.0287	-0.0070	-0.0066	-0.0647	-0.0002
175	1	71	-1.0157	-0.0112	0.0075	-0.0082	0.0389	0.0014
		175	-1.0157	-0.0112	-0.0022	0.0012	-0.0012	0.0014
	2	71	-0.1043	0.0295	0.0075	-0.0098	-0.0449	0.0008

		175	-0.1042	0.0295	-0.0022	-0.0005	0.0609	0.0008
176	1	176	-0.9079	0.0107	0.0033	-0.0018	-0.0002	-0.0016
		72	-0.9079	0.0107	-0.0064	-0.0072	0.0383	-0.0016
	2	176	-0.4601	0.0116	0.0042	0.0008	-0.0382	0.0010
		72	-0.4600	0.0116	-0.0055	-0.0016	0.0033	0.0010
177	1	72	0.1310	0.0132	0.0052	-0.0006	0.0041	-0.0013
		177	0.1310	0.0132	-0.0045	0.0006	-0.0431	-0.0013
	2	72	-0.9708	0.0319	0.0068	-0.0056	0.0750	0.0015
		177	-0.9709	0.0319	-0.0029	0.0015	-0.0394	0.0015
178	1	178	0.3176	0.0309	0.0014	0.0024	0.0522	-0.0009
		70	0.3175	0.0309	-0.0083	-0.0100	-0.0585	-0.0009
	2	178	-0.7529	0.0146	0.0016	0.0005	0.0387	-0.0017
		70	-0.7529	0.0146	-0.0081	-0.0110	-0.0135	-0.0017
179	1	76	0.2784	0.0402	0.0079	-0.0092	-0.0685	-0.0002
		179	0.2785	0.0402	-0.0012	0.0020	0.0662	-0.0002
	2	76	-0.0583	0.0186	0.0046	-0.0002	-0.0678	-0.0042
		179	-0.0584	0.0186	-0.0044	0.0001	-0.0056	-0.0042
180	1	180	-1.0830	0.0258	0.0023	0.0035	-0.0115	0.0040
		77	-1.0829	0.0258	-0.0067	-0.0039	-0.0984	0.0040
	2	180	0.6555	0.0497	-0.0003	0.0080	0.0439	-0.0016
		77	0.6554	0.0497	-0.0094	-0.0083	-0.1231	-0.0016
181	1	77	-0.2860	0.0501	0.0099	-0.0146	0.1376	0.0053
		181	-0.2860	0.0501	0.0009	0.0035	-0.0306	0.0053
	2	77	-0.2680	0.0161	0.0097	-0.0130	0.0075	-0.0003
		181	-0.2679	0.0161	0.0006	0.0043	0.0617	-0.0003
182	1	182	-0.3779	0.0331	0.0013	-0.0005	-0.0181	-0.0059
		78	-0.3779	0.0331	-0.0078	-0.0114	0.0932	-0.0059
	2	182	-1.1137	0.0067	0.0012	0.0037	-0.0267	0.0028
		78	-1.1136	0.0067	-0.0079	-0.0076	-0.0491	0.0028
183	1	78	-0.7371	0.0075	0.0073	-0.0055	-0.0515	-0.0046
		183	-0.7372	0.0075	-0.0018	0.0039	-0.0263	-0.0046
	2	78	-0.8215	0.0597	0.0103	-0.0140	0.1372	0.0057
		183	-0.8216	0.0597	0.0013	0.0055	-0.0635	0.0057
184	1	184	0.3291	0.0342	-0.0003	0.0056	0.0543	-0.0012
		76	0.3290	0.0342	-0.0093	-0.0105	-0.0603	-0.0012
	2	184	0.1219	0.0045	0.0006	0.0011	0.0268	-0.0038
		76	0.1219	0.0045	-0.0084	-0.0119	0.0420	-0.0038
185	1	82	0.8940	0.0423	0.0120	-0.0184	-0.0686	0.0019
		185	0.8940	0.0423	0.0035	0.0060	0.0641	0.0019
	2	82	0.3232	-0.0115	0.0024	0.0022	0.0086	-0.0072
		185	0.3231	-0.0115	-0.0060	-0.0034	-0.0274	-0.0072
186	1	186	-0.1306	0.0214	0.0054	-0.0009	-0.0498	0.0067
		83	-0.1305	0.0214	-0.0030	0.0028	0.0173	0.0067
	2	186	0.6007	-0.1523	-0.0070	0.0145	0.1121	0.0003
		83	0.6007	-0.1523	-0.0155	-0.0208	-0.3652	0.0003
187	1	83	-0.5082	-0.0038	0.0083	-0.0091	0.0211	0.0065
		187	-0.5082	-0.0038	-0.0002	0.0036	0.0092	0.0065
	2	83	2.0112	-0.0863	0.0213	-0.0393	0.2568	0.0068
		187	2.0113	-0.0863	0.0128	0.0143	-0.0143	0.0068
188	1	188	-0.4764	0.0001	0.0025	-0.0009	0.0109	-0.0048
		84	-0.4764	0.0001	-0.0060	-0.0064	0.0111	-0.0048
	2	188	-0.6111	0.0303	0.0063	-0.0032	-0.0619	0.0030
		84	-0.6111	0.0303	-0.0022	0.0032	0.0332	0.0030
189	1	84	-0.1810	-0.0250	0.0030	0.0024	0.0272	-0.0052
		189	-0.1811	-0.0250	-0.0054	-0.0014	-0.0512	-0.0052
	2	84	-0.5532	-0.0268	0.0052	-0.0025	0.0516	0.0045
		189	-0.5532	-0.0268	-0.0033	0.0004	-0.0323	0.0045

190	1	190	0.9254	0.0376	-0.0052	0.0097	0.0549	-0.0029
		82	0.9253	0.0376	-0.0137	-0.0199	-0.0632	-0.0029
	2	190	-0.2141	-0.0266	-0.0007	0.0036	0.0540	-0.0052
		82	-0.2141	0.0266	-0.0092	-0.0121	-0.0296	-0.0052
191	1	88	0.0306	0.0509	0.0123	-0.0142	-0.0841	0.0042
		191	0.0307	0.0509	0.0044	0.0101	0.0641	0.0042
	2	88	0.2068	0.0292	0.0034	0.0014	0.0320	-0.0039
		191	0.2068	0.0292	-0.0045	-0.0002	-0.0531	-0.0039
192	1	192	-0.1777	0.0371	0.0070	-0.0035	-0.0622	0.0050
		89	-0.1776	0.0371	-0.0009	0.0054	0.0463	0.0050
	2	192	0.3876	-0.0433	-0.0027	0.0083	0.0195	0.0118
		89	0.3876	0.0433	-0.0105	-0.0110	-0.1071	0.0118
193	1	89	-0.3611	0.0071	0.0065	-0.0064	0.0023	0.0019
		193	-0.3611	0.0071	-0.0014	0.0011	0.0229	0.0019
	2	89	-0.1988	0.0378	0.0141	-0.0177	-0.0280	0.0188
		193	-0.1987	0.0378	0.0062	0.0120	0.0823	0.0188
194	1	194	-0.3369	-0.0070	0.0018	0.0007	0.0183	-0.0017
		90	-0.3369	-0.0070	-0.0061	-0.0055	-0.0023	-0.0017
	2	194	-0.6079	0.0351	0.0065	-0.0037	-0.0543	0.0046
		90	-0.6078	0.0351	-0.0013	0.0039	0.0481	0.0046
195	1	90	-0.2176	-0.0387	0.0012	0.0047	0.0531	-0.0048
		195	-0.2177	-0.0387	-0.0067	-0.0033	-0.0599	-0.0048
	2	90	-0.4094	-0.0232	0.0014	0.0025	0.0432	-0.0004
		195	-0.4095	-0.0232	-0.0065	-0.0049	-0.0247	-0.0004
196	1	196	0.0810	0.0483	-0.0042	0.0100	0.0602	-0.0042
		88	0.0809	-0.0483	-0.0121	-0.0138	-0.0804	-0.0042
	2	196	-0.1363	-0.0388	-0.0032	0.0069	0.0674	-0.0039
		88	-0.1363	-0.0388	-0.0111	-0.0139	-0.0455	-0.0039
197	1	94	0.3401	0.0534	0.0222	-0.0312	-0.0802	0.0051
		197	0.3402	0.0534	0.0149	0.0187	0.0637	0.0051
	2	94	-0.5216	0.0032	-0.0005	0.0080	-0.0445	-0.0009
		197	-0.5217	0.0032	-0.0078	-0.0032	-0.0358	-0.0009
198	1	198	-0.7525	0.0374	0.0141	-0.0101	-0.0669	0.0033
		95	-0.7525	0.0374	0.0068	0.0180	0.0339	0.0033
	2	198	0.2209	0.0435	-0.0086	0.0122	0.0386	-0.0001
		95	0.2209	-0.0435	-0.0159	-0.0208	-0.0786	-0.0001
199	1	95	0.0308	0.0022	0.0056	-0.0042	0.0195	-0.0016
		199	0.0308	0.0022	-0.0017	0.0011	0.0254	-0.0016
	2	95	0.3860	0.0490	0.0221	-0.0313	-0.0604	0.0090
		199	0.3860	0.0490	0.0148	0.0186	0.0718	0.0090
200	1	200	0.1579	-0.0029	0.0039	-0.0010	0.0116	0.0012
		96	0.1579	-0.0029	-0.0034	-0.0002	0.0037	0.0012
	2	200	-1.1229	0.0422	0.0189	-0.0157	-0.0564	0.0048
		96	-1.1228	0.0422	0.0116	0.0254	0.0576	0.0048
201	1	96	-0.9905	-0.0444	-0.0096	0.0224	0.0568	-0.0038
		201	-0.9906	-0.0444	-0.0169	-0.0135	-0.0630	-0.0038
	2	96	-0.3151	-0.0274	-0.0070	0.0171	0.0438	-0.0033
		201	-0.3152	-0.0274	-0.0142	-0.0115	-0.0301	-0.0033
202	1	202	0.3608	-0.0494	-0.0146	0.0186	0.0589	-0.0053
		94	0.3608	-0.0494	-0.0219	-0.0305	-0.0742	-0.0053
	2	202	0.5966	-0.0092	-0.0089	0.0116	0.0504	-0.0013
		94	0.5966	-0.0092	-0.0162	-0.0222	0.0258	-0.0013
301	1	1	-29.2324	0.0060	0.0370	-0.0322	-0.0540	-0.0251
		101	-29.1496	0.0060	-0.0147	0.0335	-0.0188	-0.0251
	2	1	14.6544	0.1202	0.0691	-0.1942	-0.5888	-0.1278
		101	14.7371	0.1201	0.0173	0.0606	0.1198	-0.1278
302	1	102	24.1967	-0.0461	-0.0069	0.0240	-0.0004	0.0722
		2	24.1139	-0.0462	-0.0589	-0.1701	-0.2726	0.0722

	2	102	-23.6240	0.0396	0.0099	0.0387	0.0347	0.0189
		2	-23.7068	-0.0396	-0.0419	-0.0557	-0.1991	0.0189
303	1	2	4.4132	-0.0998	0.0091	0.0270	0.4995	0.0987
		103	4.4960	0.0997	-0.0428	-0.0725	-0.0891	0.0987
	2	2	-26.8043	-0.0106	0.0332	-0.0196	0.0429	-0.0010
		103	-26.7216	-0.0106	-0.0186	0.0235	-0.0193	-0.0010
304	1	104	3.9201	0.1142	0.0444	-0.0755	-0.1169	-0.1036
		3	3.8373	0.1142	-0.0074	0.0337	0.5569	-0.1036
	2	104	27.1013	0.0464	0.0090	-0.0194	-0.1008	0.0093
		3	27.0185	0.0465	-0.0429	-0.1194	0.1732	0.0093
305	1	3	24.9146	0.0686	0.0625	-0.1833	-0.3610	-0.0678
		105	24.9973	0.0686	0.0108	0.0325	0.0433	-0.0678
	2	3	23.6420	-0.0492	0.0344	-0.0832	0.2468	0.0416
		105	23.7248	-0.0492	-0.0172	-0.0325	-0.0431	0.0416
306	1	106	-29.6317	-0.0023	0.0158	0.0315	-0.0243	0.0205
		1	-29.7144	0.0023	-0.0359	-0.0278	-0.0381	0.0205
	2	106	-16.1379	0.1310	0.0574	-0.0838	-0.1270	-0.1272
		1	-16.2207	0.1311	0.0057	0.1025	0.6456	-0.1272
307	1	101	-28.9843	0.0093	0.0543	-0.1040	-0.0421	0.0008
		107	-28.9015	0.0094	0.0026	0.0637	-0.0973	0.0008
	2	101	14.8401	0.0160	0.0345	-0.0348	0.0525	-0.0042
		107	14.9229	0.0159	-0.0174	0.0156	0.1464	-0.0042
308	1	102	24.2183	-0.0265	0.0190	0.0128	0.0465	-0.0101
		108	24.3010	0.0264	-0.0329	-0.0280	-0.1097	-0.0101
	2	102	-23.4672	0.0199	0.0492	-0.0872	-0.0205	0.0049
		108	-23.3844	0.0200	-0.0026	0.0500	0.0972	0.0049
309	1	103	4.4567	0.0088	0.0131	0.0171	-0.0294	-0.0022
		109	4.5395	0.0087	-0.0386	-0.0581	-0.0811	-0.0022
	2	103	-26.5608	0.0002	0.0471	-0.0825	-0.0228	-0.0052
		109	-26.4780	-0.0002	-0.0046	0.0426	-0.0242	-0.0052
310	1	104	3.8803	0.0064	0.0129	0.0169	0.0549	0.0031
		110	3.9631	0.0063	-0.0388	-0.0592	0.0924	0.0031
	2	104	27.0425	0.0178	0.0074	0.0477	0.1077	-0.0062
		110	27.1253	-0.0178	-0.0444	-0.0613	0.0026	-0.0062
311	1	105	25.0552	0.0196	0.0179	0.0188	0.0015	0.0091
		111	25.1380	0.0195	-0.0340	-0.0287	0.1168	0.0091
	2	105	23.6990	0.0090	0.0038	0.0574	-0.0141	-0.0002
		111	23.7818	0.0090	-0.0480	-0.0729	0.0388	-0.0002
312	1	106	-29.4681	0.0099	0.0540	-0.1034	0.0461	-0.0021
		112	-29.3853	0.0100	0.0023	0.0628	0.1047	-0.0021
	2	106	-16.1387	0.0251	0.0234	-0.0212	0.0593	-0.0016
		112	-16.0559	0.0250	-0.0284	-0.0360	0.2070	-0.0016
313	1	107	-29.0962	0.0414	0.0438	-0.0380	-0.1311	0.0091
		113	-29.0134	0.0413	-0.0080	0.0674	0.1128	0.0091
	2	107	19.8051	0.0207	0.0464	-0.0511	0.1220	0.0231
		113	19.8879	-0.0207	-0.0055	0.0694	-0.0002	0.0231
314	1	108	27.6966	0.0085	0.0390	-0.0494	-0.0891	-0.0287
		114	27.7793	0.0085	-0.0127	0.0282	-0.0390	-0.0287
	2	108	-23.2545	-0.0188	0.0456	-0.0446	0.1259	-0.0073
		114	-23.1717	-0.0188	-0.0061	0.0718	0.0151	-0.0073
315	1	109	1.9999	0.0092	0.0252	-0.0433	-0.0560	-0.0194
		115	2.0827	0.0093	-0.0267	-0.0478	-0.0015	-0.0194
	2	109	-27.4841	0.0105	0.0427	-0.0451	-0.0244	-0.0124
		115	-27.4013	0.0105	-0.0091	0.0538	0.0377	-0.0124
316	1	110	1.2795	-0.0115	0.0252	-0.0440	0.0698	0.0187
		116	1.3623	-0.0115	-0.0267	-0.0483	0.0020	0.0187
	2	110	28.3288	-0.0071	0.0297	-0.0406	0.0290	-0.0258

		116	28.4216	0.0071	-0.0222	-0.0182	-0.0129	-0.0258
317	1	111	28.5414	0.0113	0.0388	-0.0483	0.1053	0.0248
		117	28.6241	0.0113	-0.0130	0.0277	0.0385	0.0248
	2	111	23.5483	-0.0071	0.0258	-0.0439	0.0656	-0.0106
		117	23.6311	-0.0070	-0.0260	-0.0444	0.0241	-0.0106
318	1	112	-29.7387	-0.0431	0.0435	-0.0378	0.1392	-0.0100
		118	-29.6558	0.0431	-0.0082	0.0664	-0.1150	-0.0100
	2	112	-20.5780	0.0393	0.0280	-0.0461	0.2008	0.0157
		118	-20.4952	0.0393	-0.0238	-0.0336	-0.0310	0.0157
319	1	113	-29.0268	0.0049	0.0116	-0.0317	0.1146	0.0144
		301	-28.9440	0.0049	-0.0400	-0.1154	0.0855	0.0144
	2	113	22.1627	0.0124	0.0018	0.0288	-0.0233	0.0289
		301	22.2455	0.0123	-0.0499	-0.1130	0.0495	0.0289
320	1	114	28.6373	0.0008	0.0133	0.0032	-0.0256	-0.0250
		301	28.7200	0.0008	-0.0384	-0.0708	-0.0304	-0.0250
	2	114	-22.5567	0.0213	0.0048	-0.0156	0.0373	-0.0245
		301	-22.4738	0.0212	-0.0469	-0.1398	-0.0882	-0.0245
321	1	115	0.2122	0.0156	0.0606	-0.1174	0.0051	-0.0273
		302	0.2950	0.0157	0.0089	0.0876	0.0973	-0.0273
	2	115	-27.8145	0.0096	0.0225	-0.0490	0.0505	-0.0043
		302	-27.7317	0.0097	-0.0291	-0.0685	0.1074	-0.0043
322	1	116	-0.5139	0.0174	0.0608	-0.1186	-0.0017	0.0249
		302	-0.4311	0.0174	0.0090	0.0873	-0.1043	0.0249
	2	116	27.4532	-0.0103	0.0293	-0.0365	0.0185	-0.0189
		302	27.5360	-0.0103	-0.0224	-0.0162	-0.0424	-0.0189
323	1	117	29.3736	0.0009	0.0130	0.0044	0.0301	0.0217
		303	29.4564	-0.0009	-0.0388	-0.0716	0.0250	0.0217
	2	117	22.3007	0.0060	0.0545	-0.0865	0.0360	-0.0216
		303	22.3834	0.0061	0.0027	0.0820	0.0715	-0.0216
324	1	118	-29.7637	0.0046	0.0116	-0.0328	-0.1162	-0.0155
		303	-29.6808	0.0046	-0.0401	-0.1169	-0.0891	-0.0155
	2	118	-22.6144	0.0126	0.0572	-0.1289	-0.0332	0.0194
		303	-22.5317	0.0127	0.0054	0.0555	-0.1078	0.0194
325	1	13	-20.9415	0.0131	0.0850	-0.1969	-0.0685	-0.0099
		119	-20.8586	0.0131	-0.0110	0.0869	0.0317	-0.0099
	2	13	12.6715	0.0128	0.0704	-0.1391	-0.0924	-0.0095
		119	12.7542	0.0128	-0.0258	0.0315	0.0056	-0.0095
326	1	120	18.1313	0.0062	0.0442	-0.0431	-0.0309	0.0148
		14	18.0486	0.0063	-0.0520	-0.0733	-0.0786	0.0148
	2	120	-17.5359	0.0141	0.0133	0.0693	-0.0243	-0.0016
		14	-17.6187	-0.0142	-0.0827	-0.1962	-0.1324	-0.0016
327	1	14	1.8163	-0.0093	0.0260	0.0254	0.0873	0.0329
		121	1.8991	0.0092	-0.0702	-0.1439	0.0166	0.0329
	2	14	-19.3274	0.0170	0.0745	-0.1526	-0.0237	0.0075
		121	-19.2445	0.0171	-0.0216	0.0503	0.1070	0.0075
328	1	122	1.4441	0.0053	0.0688	-0.1367	0.0257	-0.0211
		15	1.3613	0.0054	-0.0274	0.0218	0.0668	-0.0211
	2	122	18.7061	-0.0025	0.0604	-0.1079	-0.0478	0.0082
		15	18.6234	0.0025	-0.0359	-0.0138	-0.0667	0.0082
329	1	15	18.5084	0.0057	0.0525	-0.0744	-0.0721	-0.0022
		123	18.5910	0.0056	-0.0437	-0.0409	-0.0289	-0.0022
	2	15	16.4983	-0.0136	0.0230	0.0398	0.1139	0.0329
		123	16.5810	-0.0135	-0.0731	-0.1519	0.0100	0.0329
330	1	124	-21.3222	-0.0088	0.0133	0.0746	0.0144	-0.0134
		13	-21.4051	0.0088	-0.0827	-0.1916	-0.0531	-0.0134
	2	124	-13.6576	0.0000	0.0575	-0.0981	0.0290	-0.0249
		13	-13.7405	0.0000	-0.0385	-0.0253	0.0289	-0.0249

331	1	119	-19.5532	0.0003	0.0368	-0.0250	0.0415	0.0136
		304	-19.4702	0.0003	-0.0593	-0.1111	0.0394	0.0136
	2	119	14.8427	0.0145	0.0274	0.0161	-0.0200	0.0239
		304	14.9254	0.0144	-0.0689	-0.1431	0.0906	0.0239
332	1	120	18.8337	0.0169	0.0348	-0.0163	0.0555	-0.0278
		304	18.9164	0.0168	-0.0615	-0.1188	-0.0734	-0.0278
	2	120	-15.5723	0.0095	0.0319	-0.0101	0.0269	0.0101
		304	-15.4894	0.0094	-0.0642	-0.1338	-0.0457	0.0101
333	1	121	-0.0101	0.0080	0.0690	-0.1394	0.0251	0.0016
		305	0.0727	0.0081	-0.0271	0.0208	0.0867	0.0016
	2	121	-18.7296	0.0111	0.0451	-0.0502	0.1232	0.0152
		305	-18.6467	0.0111	-0.0508	-0.0720	0.0382	0.0152
334	1	122	-0.5076	0.0053	0.0705	-0.1490	-0.0375	-0.0120
		305	-0.4249	0.0054	-0.0255	0.0233	-0.0784	-0.0120
	2	122	18.0756	0.0174	0.0470	-0.0685	0.0643	-0.0298
		305	18.1582	0.0173	-0.0492	-0.0772	-0.0686	-0.0298
335	1	123	19.3364	0.0192	0.0343	-0.0145	-0.0579	0.0163
		306	19.4191	0.0191	-0.0619	-0.1203	0.0890	0.0163
	2	123	14.7996	0.0161	0.0622	-0.1082	0.0009	0.0116
		306	14.8823	0.0163	-0.0340	-0.0003	0.1250	0.0116
336	1	124	-20.0587	0.0053	0.0351	-0.0160	-0.0182	0.0099
		306	-19.9757	0.0053	-0.0610	-0.1152	-0.0589	0.0099
	2	124	-15.3536	0.0006	0.0696	-0.1506	-0.0493	0.0068
		306	-15.2707	0.0005	-0.0267	0.0139	-0.0452	0.0068
337	1	19	-20.8889	0.0114	0.0831	-0.1927	-0.0586	-0.0094
		125	-20.8060	0.0113	-0.0090	0.0847	0.0262	-0.0094
	2	19	12.3901	0.0099	0.0646	-0.1130	-0.0659	0.0023
		125	12.4727	0.0098	-0.0279	0.0246	0.0081	0.0023
338	1	126	18.0625	0.0025	0.0461	-0.0471	-0.0494	0.0083
		20	17.9799	0.0024	-0.0467	-0.0493	-0.0312	0.0083
	2	126	-16.4426	0.0156	0.0123	0.0713	0.0029	-0.0088
		20	-16.5255	0.0157	-0.0801	-0.1830	-0.1144	-0.0088
339	1	20	1.5626	0.0037	0.0252	0.0211	0.0471	0.0198
		127	1.6454	0.0035	-0.0674	-0.1371	0.0200	0.0198
	2	20	-19.1027	0.0284	0.0749	-0.1599	-0.0876	0.0041
		127	-19.0197	0.0284	-0.0175	0.0557	0.1256	0.0041
340	1	128	1.1626	0.0000	0.0664	-0.1324	0.0275	-0.0094
		21	1.0798	0.0001	-0.0261	0.0187	0.0278	-0.0094
	2	128	18.5559	0.0089	0.0619	-0.1106	-0.0762	0.0073
		21	18.4733	0.0089	-0.0308	0.0059	-0.0096	0.0073
341	1	21	18.4642	0.0029	0.0469	-0.0499	-0.0249	0.0038
		129	18.5468	0.0029	-0.0459	-0.0461	-0.0468	0.0038
	2	21	15.6822	0.0133	0.0209	0.0424	0.0935	0.0216
		129	15.7648	0.0132	-0.0718	-0.1486	-0.0059	0.0216
342	1	130	-21.2901	-0.0074	0.0112	0.0735	0.0153	-0.0118
		19	-21.3731	0.0075	-0.0810	-0.1878	-0.0407	-0.0118
	2	130	-13.3949	-0.0028	0.0543	-0.0926	0.0211	-0.0101
		19	-13.4778	0.0027	-0.0379	-0.0309	0.0003	-0.0101
343	1	125	-19.3677	-0.0015	0.0349	-0.0218	0.0384	0.0100
		307	-19.2846	0.0015	-0.0573	-0.1058	0.0272	0.0100
	2	125	14.3088	0.0129	0.0265	0.0151	-0.0144	0.0295
		307	14.3915	0.0128	-0.0660	-0.1327	0.0817	0.0295
344	1	126	18.6993	-0.0203	0.0344	-0.0186	0.0740	-0.0324
		307	18.7819	-0.0202	-0.0582	-0.1078	-0.0777	-0.0324
	2	126	-15.0121	-0.0020	0.0290	-0.0033	-0.0048	0.0094
		307	-14.9291	0.0018	-0.0634	-0.1320	-0.0191	0.0094
345	1	127	0.0190	0.0082	0.0670	-0.1347	0.0242	-0.0033
		308	0.1018	0.0084	-0.0255	0.0206	0.0864	-0.0033

	2	127	-18.6191	0.0186	0.0421	-0.0426	0.1475	0.0037
		308	-18.5361	-0.0186	-0.0501	-0.0727	0.0080	0.0037
346	1	128	-0.5146	0.0054	0.0682	-0.1422	-0.0364	-0.0056
		308	-0.4318	0.0056	-0.0242	0.0225	-0.0776	-0.0056
	2	128	17.9973	0.0253	0.0462	-0.0673	0.0969	-0.0351
		308	18.0799	0.0252	-0.0464	-0.0678	-0.0923	-0.0351
347	1	129	19.2338	0.0227	0.0338	-0.0157	-0.0765	0.0220
		309	19.3164	0.0226	-0.0588	-0.1095	0.0931	0.0220
	2	129	14.3745	0.0200	0.0614	-0.1087	-0.0195	0.0091
		309	14.4571	0.0202	-0.0312	0.0044	0.1309	0.0091
348	1	130	-19.9043	0.0032	0.0334	-0.0139	-0.0195	0.0130
		309	-19.8213	0.0031	-0.0589	-0.1096	-0.0429	0.0130
	2	130	-14.8916	0.0013	0.0661	-0.1393	-0.0376	0.0139
		309	-14.8088	0.0014	-0.0263	0.0097	-0.0474	0.0139
349	1	25	-19.6921	0.0325	0.0887	-0.2302	-0.1423	-0.0013
		131	-19.6233	0.0324	0.0153	0.1512	0.0957	-0.0013
	2	25	12.0118	0.0012	0.0666	-0.1390	-0.0261	-0.0076
		131	12.0803	0.0012	-0.0071	0.0788	-0.0349	-0.0076
350	1	132	17.6778	0.0018	0.0340	-0.0220	-0.0464	0.0098
		26	17.6094	0.0017	-0.0397	-0.0431	-0.0336	0.0098
	2	132	-15.7574	0.0215	-0.0128	0.1343	0.0337	-0.0072
		26	-15.8261	0.0217	-0.0862	-0.2283	-0.1244	-0.0072
351	1	26	1.6586	0.0066	0.0039	0.0769	0.0578	0.0231
		133	1.7273	0.0065	-0.0696	-0.1639	0.0098	0.0231
	2	26	-19.0149	0.0469	0.0762	-0.1856	-0.1616	0.0183
		133	-18.9461	0.0469	0.0028	0.1038	0.1821	0.0183
352	1	134	1.2277	0.0025	0.0686	-0.1587	0.0189	-0.0123
		27	1.1591	0.0027	-0.0050	0.0746	0.0381	-0.0123
	2	134	18.7551	0.0246	0.0584	-0.1152	-0.1230	0.0181
		27	18.6867	0.0246	-0.0153	0.0429	0.0572	0.0181
353	1	27	18.1203	0.0018	0.0403	-0.0447	-0.0294	0.0029
		135	18.1887	-0.0019	-0.0334	-0.0197	-0.0431	0.0029
	2	27	15.1889	0.0181	-0.0012	0.1023	0.1012	0.0258
		135	15.2574	-0.0179	-0.0748	-0.1760	-0.0306	0.0258
354	1	136	-20.1199	-0.0296	-0.0126	0.1373	0.0896	-0.0224
		25	-20.1887	-0.0297	-0.0860	-0.2240	-0.1278	-0.0224
	2	136	-12.7999	-0.0163	0.0527	-0.1072	0.0732	-0.0225
		25	-12.8687	0.0162	-0.0207	0.0100	-0.0458	-0.0225
355	1	131	-18.8690	-0.0203	0.0163	0.0226	0.1259	0.0045
		310	-18.8002	-0.0204	-0.0570	-0.1267	-0.0234	0.0045
	2	131	13.8292	0.0234	0.0037	0.0773	-0.0707	0.0392
		310	13.8977	0.0233	-0.0700	-0.1659	0.1004	0.0392
356	1	132	18.3223	-0.0237	0.0176	0.0186	0.0774	-0.0411
		310	18.3907	-0.0236	-0.0562	-0.1231	-0.0957	-0.0411
	2	132	-14.4291	0.0046	0.0077	0.0496	-0.0368	0.0147
		310	-14.3604	0.0048	-0.0658	-0.1637	-0.0024	0.0147
357	1	133	0.0795	0.0083	0.0678	-0.1574	0.0161	-0.0053
		311	0.1481	0.0085	-0.0058	0.0699	0.0776	-0.0053
	2	133	-18.6194	-0.0418	0.0301	-0.0202	0.2271	-0.0063
		311	-18.5505	-0.0417	-0.0433	-0.0685	-0.0793	-0.0063
358	1	134	-0.4706	-0.0043	0.0694	-0.1674	-0.0334	-0.0035
		311	-0.4020	-0.0044	-0.0042	0.0713	-0.0653	-0.0035
	2	134	18.1064	-0.0429	0.0345	-0.0483	0.1560	-0.0466
		311	18.1748	-0.0429	-0.0393	-0.0657	-0.1585	-0.0466
359	1	135	18.8709	0.0264	0.0164	0.0237	-0.0822	0.0306
		312	18.9393	0.0263	-0.0574	-0.1266	0.1112	0.0306
	2	135	13.9077	0.0251	0.0607	-0.1235	-0.0476	0.0119

		312	13.9762	0.0253	-0.0132	0.0507	0.1370	0.0119
360	1	136	-19.4202	0.0154	0.0146	0.0314	-0.1060	0.0211
		312	-19.3513	0.0154	-0.0588	-0.1308	0.0069	0.0211
	2	136	-14.3085	0.0137	0.0673	-0.1685	-0.1059	0.0239
		312	-14.2398	0.0136	-0.0061	0.0558	-0.0059	0.0239
361	1	31	-19.4287	0.0441	0.0864	-0.2222	-0.1820	0.0046
		137	-19.3599	0.0440	0.0162	0.1454	0.1334	0.0046
	2	31	12.0136	0.0076	0.0623	-0.1208	-0.0083	-0.0003
		137	12.0820	0.0077	-0.0083	0.0725	-0.0633	-0.0003
362	1	138	17.4805	0.0064	0.0335	-0.0197	-0.0642	0.0055
		32	17.4122	0.0063	-0.0372	-0.0331	-0.0186	0.0055
	2	138	-15.6441	0.0228	-0.0095	0.1200	0.0682	-0.0022
		32	-15.7128	0.0230	-0.0799	-0.2004	-0.0958	-0.0022
363	1	32	1.5970	-0.0069	0.0038	0.0712	0.0583	0.0144
		139	1.6657	0.0067	-0.0668	-0.1550	0.0094	0.0144
	2	32	-18.2807	-0.1653	0.0709	-0.1704	0.6037	-0.0526
		139	-18.2118	-0.1652	0.0005	0.0858	-0.5825	-0.0526
364	1	140	1.1703	0.0085	0.0660	-0.1514	0.0002	-0.0011
		33	1.1016	0.0087	-0.0046	0.0690	0.0619	-0.0011
	2	140	18.0147	-0.1416	0.0493	-0.0718	0.4780	-0.0239
		33	17.9464	0.1417	-0.0216	0.0278	-0.5389	-0.0239
365	1	33	17.9025	0.0072	0.0376	-0.0344	-0.0130	0.0084
		141	17.9709	-0.0072	-0.0332	-0.0185	-0.0646	0.0084
	2	33	15.0429	-0.0179	0.0006	0.0886	0.0766	0.0254
		141	15.1114	-0.0177	-0.0700	-0.1603	-0.0511	0.0254
366	1	142	-19.8468	0.0420	-0.0139	0.1337	0.1321	-0.0259
		31	-19.9156	-0.0421	-0.0841	-0.2176	-0.1693	-0.0259
	2	142	-12.7412	-0.0234	0.0496	-0.1005	0.1023	-0.0148
		31	-12.8100	-0.0233	-0.0207	0.0030	-0.0648	-0.0148
367	1	137	-18.4004	-0.0312	0.0158	0.0195	0.1707	-0.0008
		313	-18.3315	-0.0312	-0.0546	-0.1199	-0.0532	-0.0008
	2	137	13.6542	0.0325	0.0025	0.0766	-0.1004	0.0477
		313	13.7227	0.0324	-0.0682	-0.1591	0.1326	0.0477
368	1	138	17.8491	-0.0290	0.0153	0.0233	0.0952	-0.0471
		313	17.9174	-0.0289	-0.0555	-0.1206	-0.1122	-0.0471
	2	138	-14.2027	0.0146	0.0087	0.0386	-0.0726	0.0241
		313	-14.1339	0.0148	-0.0616	-0.1511	0.0327	0.0241
369	1	139	0.0861	0.0058	0.0656	-0.1494	0.0193	-0.0094
		314	0.1547	0.0060	-0.0048	0.0684	0.0616	-0.0094
	2	139	-17.6831	0.1669	0.0247	0.0058	-0.6533	0.1020
		314	-17.6142	0.1668	-0.0454	-0.0682	0.5420	0.1020
370	1	140	-0.4579	-0.0071	0.0668	-0.1565	-0.0166	-0.0011
		314	-0.3893	-0.0074	-0.0037	0.0695	-0.0685	-0.0011
	2	140	17.1998	0.1330	0.0412	-0.0893	-0.5419	0.0616
		314	17.2681	0.1330	-0.0294	-0.0471	0.4108	0.0616
371	1	141	18.3839	0.0325	0.0140	0.0289	-0.1051	0.0372
		315	18.4523	0.0324	-0.0567	-0.1240	0.1277	0.0372
	2	141	13.6674	0.0314	0.0568	-0.1094	-0.0707	0.0175
		315	13.7358	0.0316	-0.0139	0.0444	0.1554	0.0175
372	1	142	-18.9384	0.0264	0.0143	0.0267	-0.1530	0.0268
		315	-18.8695	0.0265	-0.0561	-0.1235	0.0368	0.0268
	2	142	-14.0703	0.0241	0.0655	-0.1611	-0.1366	0.0339
		315	-14.0015	0.0239	-0.0051	0.0554	0.0357	0.0339
373	1	37	-19.1344	0.0693	0.0995	-0.2633	-0.2705	-0.0055
		143	-19.0655	0.0691	0.0325	0.1990	0.2142	-0.0055
	2	37	11.4883	-0.0197	0.0681	-0.1420	0.0141	0.0038
		143	11.5567	-0.0199	0.0006	0.0986	-0.1245	0.0038

374	1	144	17.1524	0.0396	0.0342	-0.0296	-0.1875	0.0081
		38	17.0841	0.0395	-0.0336	-0.0277	0.0900	0.0081
	2	144	-14.6342	0.0475	-0.0307	0.1915	0.1326	-0.0106
		38	-14.7030	0.0478	-0.0982	-0.2607	-0.2018	-0.0106
375	1	38	1.4169	0.0084	-0.0077	0.1037	0.0801	0.0182
		145	1.4856	0.0082	-0.0752	-0.1872	0.0220	0.0182
	2	38	-18.4017	0.0621	0.0821	-0.2020	-0.2292	0.0064
		145	-18.3328	0.0622	0.0148	0.1378	0.2068	0.0064
376	1	146	0.9873	0.0001	0.0751	-0.1862	0.0533	0.0028
		39	0.9187	0.0001	0.0076	0.1039	0.0531	0.0028
	2	146	18.2823	0.0380	0.0637	-0.1369	-0.1548	0.0109
		39	18.2140	0.0379	-0.0042	0.0718	0.1114	0.0109
377	1	39	17.5563	0.0429	0.0355	-0.0320	0.0977	0.0136
		147	17.6246	0.0430	-0.0323	-0.0208	-0.2038	0.0136
	2	39	14.2071	0.0419	-0.0157	0.1396	0.1804	0.0202
		147	14.2756	0.0416	-0.0834	-0.2081	-0.1128	0.0202
378	1	148	-19.5468	0.0640	-0.0318	0.1954	0.2023	-0.0227
		37	-19.6157	0.0642	-0.0989	-0.2626	-0.2465	-0.0227
	2	148	-12.2661	0.0393	0.0519	-0.1084	0.1751	-0.0114
		37	-12.3348	0.0392	-0.0152	0.0202	-0.0995	-0.0114
379	1	143	-17.9790	0.0513	0.0019	0.0787	0.2373	-0.0048
		316	-17.9101	0.0514	-0.0653	-0.1438	-0.1233	-0.0048
	2	143	12.8571	0.0440	-0.0045	0.0842	-0.1417	0.0425
		316	12.9256	0.0439	-0.0722	-0.1848	0.1668	0.0425
380	1	144	17.4381	0.0545	0.0118	0.0173	0.2044	-0.0509
		316	17.5065	0.0544	-0.0559	-0.1372	-0.1775	-0.0509
	2	144	-13.4033	0.0318	-0.0061	0.0941	-0.1377	0.0345
		316	-13.3344	0.0320	-0.0733	-0.1843	0.0861	0.0345
381	1	145	0.1135	0.0047	0.0720	-0.1711	0.0225	-0.0046
		317	0.1820	0.0050	0.0045	0.0972	0.0564	-0.0046
	2	145	-18.0027	0.0417	0.0183	0.0313	0.2291	-0.0009
		317	-17.9337	0.0416	-0.0487	-0.0753	-0.0631	-0.0009
382	1	146	-0.4414	0.0013	0.0736	-0.1799	-0.0601	-0.0017
		317	-0.3728	0.0011	0.0061	0.0993	-0.0516	-0.0017
	2	146	17.5355	0.0412	0.0361	-0.0752	0.1662	-0.0419
		317	17.6037	0.0411	-0.0317	-0.0599	-0.1220	-0.0419
383	1	147	17.9639	0.0603	0.0127	0.0130	-0.2280	0.0385
		318	18.0322	0.0602	-0.0550	-0.1353	0.1946	0.0385
	2	147	12.9594	0.0477	0.0670	-0.1562	-0.1286	0.0189
		318	13.0278	0.0480	-0.0007	0.0762	0.2072	0.0189
384	1	148	-18.5037	0.0435	0.0027	0.0759	-0.2123	0.0427
		318	-18.4347	0.0436	-0.0646	-0.1414	0.0932	0.0427
	2	148	-13.3204	0.0398	0.0676	-0.1589	-0.1901	0.0299
		318	-13.2516	0.0397	0.0001	0.0786	0.0889	0.0299
385	1	43	-17.9400	0.0898	0.0939	-0.2390	-0.3418	0.0036
		149	-17.8711	0.0896	0.0299	0.1854	0.2731	0.0036
	2	43	10.9448	-0.0335	0.0661	-0.1369	0.0521	-0.0014
		149	11.0132	-0.0336	0.0015	0.0948	-0.1778	-0.0014
386	1	150	16.3719	0.0314	0.0324	-0.0258	-0.1648	0.0010
		44	16.3036	0.0312	-0.0324	-0.0259	0.0499	0.0010
	2	150	-14.0065	-0.0423	-0.0294	0.1789	0.0933	-0.0116
		44	-14.0753	-0.0426	-0.0936	-0.2428	-0.1978	-0.0116
387	1	44	1.6299	-0.0092	-0.0078	0.1012	0.0868	0.0187
		151	1.6985	-0.0089	-0.0723	-0.1739	0.0246	0.0187
	2	44	-17.9828	0.0845	0.0769	-0.1842	-0.2821	0.0016
		151	-17.9139	0.0846	0.0128	0.1237	0.2981	0.0016
388	1	152	0.9350	-0.0057	0.0740	-0.1807	0.0983	0.0202
		45	0.8663	-0.0054	0.0095	0.1057	0.0602	0.0202

	2	152	17.7900	0.0584	0.0588	-0.1193	-0.2614	-0.0091
		45	17.7217	0.0583	-0.0060	0.0618	0.1391	-0.0091
389	1	45	17.0188	0.0366	0.0352	-0.0338	0.0408	0.0344
		153	17.0871	0.0367	-0.0295	-0.0144	-0.2108	0.0344
	2	45	13.6011	0.0351	-0.0147	0.1307	0.1894	-0.0004
		153	13.6696	0.0347	-0.0793	-0.1918	-0.0499	-0.0004
390	1	154	-18.6874	0.0889	-0.0307	0.1877	0.2770	-0.0242
		43	-18.7563	0.0891	-0.0947	-0.2422	-0.3330	-0.0242
	2	154	-11.6448	0.0538	0.0506	-0.1030	0.2310	-0.0182
		43	-11.7136	0.0536	-0.0135	0.0242	-0.1373	-0.0182
391	1	149	-17.1528	0.0658	0.0011	0.0742	0.3001	-0.0094
		319	-17.0838	0.0659	-0.0630	-0.1383	-0.1520	-0.0094
	2	149	12.2596	0.0553	-0.0053	0.0834	-0.1959	0.0415
		319	12.3281	0.0551	-0.0699	-0.1747	0.1828	0.0415
392	1	150	16.6490	0.0520	0.0115	0.0152	0.1792	-0.0520
		319	16.7173	0.0518	-0.0533	-0.1283	-0.1768	-0.0520
	2	150	-12.7869	0.0254	-0.0069	0.0904	-0.0952	0.0308
		319	-12.7181	0.0257	-0.0711	-0.1772	0.0802	0.0308
393	1	151	0.2852	0.0025	0.0687	-0.1606	0.0229	0.0052
		320	0.3538	0.0029	0.0043	0.0896	0.0414	0.0052
	2	151	-17.4499	0.0655	0.0179	0.0257	0.3259	-0.0277
		320	-17.3809	-0.0654	-0.0461	-0.0713	-0.1231	-0.0277
394	1	152	-0.5979	0.0088	0.0707	-0.1694	-0.1063	0.0055
		320	-0.5293	0.0084	0.0063	0.0944	-0.0473	0.0055
	2	152	17.0040	0.0663	0.0323	-0.0605	0.2755	-0.0601
		320	17.0722	0.0662	-0.0325	-0.0611	-0.1788	-0.0601
395	1	153	17.5094	0.0614	0.0106	0.0192	-0.2332	0.0488
		321	17.5777	0.0612	-0.0542	-0.1301	0.1873	0.0488
	2	153	12.3658	0.0394	0.0656	-0.1518	-0.0644	0.0121
		321	12.4341	0.0398	0.0009	0.0761	0.2074	0.0121
396	1	154	-18.0145	0.0592	0.0023	0.0680	-0.2893	0.0544
		321	-17.9456	0.0593	-0.0618	-0.1361	0.1173	0.0544
	2	154	-12.6994	0.0560	0.0648	-0.1510	-0.2467	0.0229
		321	-12.6306	0.0557	0.0004	0.0729	0.1366	0.0229
397	1	49	-17.4576	0.0794	0.0869	-0.2194	-0.2961	0.0055
		155	-17.3886	0.0792	0.0259	0.1586	0.2355	0.0055
	2	49	10.5318	0.0295	0.0607	-0.1225	0.0362	0.0056
		155	10.6002	0.0297	-0.0009	0.0782	-0.1623	0.0056
398	1	156	15.9053	0.0626	0.0291	-0.0192	-0.2625	0.0047
		50	15.8370	0.0624	-0.0325	-0.0306	0.1566	0.0047
	2	156	-13.5930	-0.0699	-0.0238	0.1506	0.1644	-0.0182
		50	-13.6618	-0.0703	-0.0848	-0.2135	-0.3057	-0.0182
399	1	50	1.1594	-0.0063	-0.0053	0.0883	0.0783	0.0157
		157	1.2281	-0.0060	-0.0666	-0.1530	0.0371	0.0157
	2	50	-16.9187	0.0855	0.0707	-0.1621	-0.2674	0.0003
		157	-16.8497	0.0856	0.0098	0.1077	0.3064	0.0003
400	1	158	0.8435	0.0000	0.0687	-0.1654	0.1601	0.0554
		51	0.7749	0.0003	0.0074	0.0898	0.1612	0.0554
	2	158	17.4105	0.0598	0.0536	-0.0921	-0.3528	-0.0455
		51	17.3423	0.0597	-0.0082	0.0603	0.0479	-0.0455
401	1	51	16.5922	-0.0612	0.0332	-0.0201	0.0422	0.0558
		159	16.6604	-0.0613	-0.0285	-0.0043	-0.3684	0.0558
	2	51	13.2722	-0.0598	-0.0118	0.1150	0.3625	-0.0495
		159	13.3407	-0.0594	-0.0733	-0.1704	-0.0368	-0.0495
402	1	160	-17.6052	-0.0748	-0.0268	0.1619	0.2317	-0.0073
		49	-17.6741	-0.0750	-0.0878	-0.2225	-0.2704	-0.0073
	2	160	-11.2099	-0.0500	0.0471	-0.0922	0.2121	-0.0151

		49	-11.2787	0.0499	-0.0140	0.0190	-0.1229	-0.0151
403	1	155	-16.6050	0.0627	-0.0008	0.0752	0.2743	-0.0295
		322	-16.5360	0.0628	-0.0619	-0.1350	-0.1473	-0.0295
	2	155	11.7800	0.0554	-0.0054	0.0829	-0.1890	0.0487
		322	11.8485	0.0552	-0.0671	-0.1605	0.1824	0.0487
404	1	156	16.1074	0.0764	0.0092	0.0251	0.2967	-0.0588
		322	16.1757	0.0762	-0.0526	-0.1206	-0.2155	-0.0588
	2	156	-12.2905	0.0435	-0.0052	0.0783	-0.1833	0.0322
		322	-12.2217	0.0433	-0.0663	-0.1617	0.1099	0.0322
405	1	157	-0.0252	0.0028	0.0658	-0.1530	0.0360	0.0073
		323	0.0434	0.0032	0.0044	0.0824	0.0561	0.0073
	2	157	-16.6812	0.0761	0.0150	0.0287	0.3488	-0.0485
		323	-16.6122	0.0760	-0.0460	-0.0753	-0.1612	-0.0485
406	1	158	-0.2530	0.0235	0.0670	-0.1554	-0.1543	0.0333
		323	-0.1844	0.0231	0.0056	0.0881	0.0021	0.0333
	2	158	16.2490	0.0905	0.0291	-0.0520	0.3677	-0.0829
		323	16.3172	0.0904	-0.0327	-0.0641	-0.2390	-0.0829
407	1	159	16.3080	0.0982	0.0069	0.0292	-0.3954	0.0811
		324	16.3763	0.0980	-0.0549	-0.1319	0.2627	0.0811
	2	159	11.8823	0.0369	0.0589	-0.1268	-0.0794	0.0005
		324	11.9507	0.0373	-0.0028	0.0616	0.1698	0.0005
408	1	160	-16.8122	0.0609	-0.0006	0.0737	-0.2594	0.0630
		324	-16.7432	0.0611	-0.0617	-0.1355	0.1501	0.0630
	2	160	-12.1947	0.0514	0.0598	-0.1366	-0.2378	0.0266
		324	-12.1259	0.0512	-0.0015	0.0590	0.1069	0.0266
409	1	55	-16.8222	0.0746	0.0799	-0.1959	-0.2693	0.0043
		161	-16.7532	0.0744	0.0221	0.1385	0.2194	0.0043
	2	55	9.8266	0.0270	0.0577	-0.1145	0.0157	0.0113
		161	9.8950	0.0272	-0.0008	0.0719	-0.1619	0.0113
410	1	162	15.2479	0.0663	0.0264	-0.0144	-0.2817	-0.0001
		56	15.1797	0.0661	-0.0323	-0.0338	0.1528	-0.0001
	2	162	-12.4413	0.0689	-0.0219	0.1396	0.1587	-0.0236
		56	-12.5102	0.0694	-0.0801	-0.1951	-0.2951	-0.0236
411	1	56	0.9004	0.0034	-0.0041	0.0802	0.0781	0.0067
		163	0.9690	0.0031	-0.0625	-0.1383	0.0568	0.0067
	2	56	-16.3227	0.0929	0.0664	-0.1511	-0.2816	-0.0001
		163	-16.2537	0.0930	0.0085	0.0946	0.3284	-0.0001
412	1	164	1.1719	0.0177	0.0628	-0.1422	0.1234	0.0439
		57	1.1033	0.0180	0.0045	0.0789	0.2405	0.0439
	2	164	16.2811	0.0559	0.0491	-0.0875	-0.3323	-0.0386
		57	16.2129	0.0558	-0.0098	0.0414	0.0343	-0.0386
413	1	57	14.9527	0.0491	0.0329	-0.0341	-0.0156	0.0434
		165	15.0210	0.0493	-0.0259	-0.0113	-0.3386	0.0434
	2	57	12.1171	-0.0759	-0.0073	0.0926	0.4171	-0.0423
		165	12.1855	-0.0754	-0.0659	-0.1475	-0.0795	-0.0423
414	1	166	-16.5624	0.0688	-0.0233	0.1425	0.2107	-0.0066
		55	-16.6314	0.0690	-0.0812	-0.2002	-0.2409	-0.0066
	2	166	-10.5185	0.0467	0.0447	-0.0853	0.2073	-0.0054
		55	-10.5874	0.0465	-0.0133	0.0178	-0.0985	-0.0054
415	1	161	-16.0081	-0.0619	-0.0007	0.0656	0.2559	-0.0351
		325	-15.9391	-0.0621	-0.0586	-0.1291	-0.1510	-0.0351
	2	161	10.9909	0.0554	-0.0048	0.0778	-0.1862	0.0493
		325	11.0594	0.0552	-0.0634	-0.1463	0.1769	0.0493
416	1	162	15.5531	-0.0817	0.0091	0.0266	0.3152	-0.0615
		325	15.6214	-0.0814	-0.0498	-0.1070	-0.2203	-0.0615
	2	162	-11.4794	0.0441	-0.0055	0.0726	-0.1771	0.0286
		325	-11.4105	0.0446	-0.0636	-0.1541	0.1141	0.0286

417	1	163	-0.2364	0.0002	0.0615	-0.1402	0.0569	-0.0016
		326	-0.1678	0.0002	0.0031	0.0719	0.0570	-0.0016
	2	163	-16.0779	0.0866	0.0154	0.0190	0.3713	-0.0542
		326	-16.0089	0.0864	-0.0425	-0.0698	-0.1964	-0.0542
418	1	164	-0.0332	0.0214	0.0621	-0.1405	-0.1311	0.0348
		326	0.0354	0.0210	0.0036	0.0751	0.0083	0.0348
	2	164	15.6720	0.0940	0.0278	-0.0419	0.3624	-0.0924
		326	15.7402	0.0938	-0.0310	-0.0524	-0.2540	-0.0924
419	1	165	15.3174	0.0969	0.0090	0.0249	-0.3763	0.0845
		327	15.3856	0.0966	-0.0498	-0.1093	0.2591	0.0845
	2	165	11.1345	0.0405	0.0575	-0.1227	-0.1058	-0.0047
		327	11.2029	0.0410	-0.0012	0.0619	0.1618	-0.0047
420	1	166	-15.7759	0.0602	-0.0002	0.0647	-0.2347	0.0571
		327	-15.7069	0.0604	-0.0581	-0.1266	0.1612	0.0571
	2	166	-11.4242	0.0501	0.0559	-0.1256	-0.2322	0.0345
		327	-11.3554	0.0498	-0.0022	0.0507	0.0958	0.0345
421	1	61	-15.8849	0.1014	0.0507	-0.1170	-0.3480	0.0138
		167	-15.8279	0.1012	0.0054	0.0633	0.3025	0.0138
	2	61	9.3277	0.0399	0.0473	-0.0974	0.0654	0.0053
		167	9.3842	0.0401	0.0014	0.0591	-0.1914	0.0053
422	1	168	14.6956	0.0600	0.0150	0.0067	-0.2515	-0.0088
		62	14.6392	0.0598	-0.0310	-0.0449	0.1331	-0.0088
	2	168	-11.4186	0.0605	-0.0101	0.0806	0.1368	-0.0249
		62	-11.4754	0.0609	-0.0555	-0.1297	-0.2531	-0.0249
423	1	62	0.6352	0.0024	0.0004	0.0514	0.0657	-0.0017
		169	0.6918	0.0021	-0.0454	-0.0934	0.0511	-0.0017
	2	62	-15.3619	0.1252	0.0408	-0.0840	-0.3808	0.0097
		169	-15.3049	0.1252	-0.0046	0.0325	0.4243	0.0097
424	1	170	0.9025	0.0055	0.0464	-0.0984	0.0642	0.0187
		63	0.8458	0.0059	0.0006	0.0527	0.1010	0.0187
	2	170	15.4788	0.0845	0.0309	-0.0444	-0.3368	-0.0140
		63	15.4225	0.0844	-0.0154	0.0054	0.2061	-0.0140
425	1	63	14.3628	0.0542	0.0316	-0.0453	0.0908	0.0233
		171	14.4191	0.0544	-0.0144	0.0101	-0.2578	0.0233
	2	63	11.1815	0.0560	0.0024	0.0483	0.2554	-0.0173
		171	11.2379	0.0556	-0.0435	-0.0835	-0.1026	-0.0173
426	1	172	-15.5830	0.0964	-0.0086	0.0761	0.2927	-0.0230
		61	-15.6400	0.0967	-0.0539	-0.1245	-0.3273	-0.0230
	2	172	-9.8837	0.0619	0.0373	-0.0708	0.2474	-0.0091
		61	-9.9405	0.0617	-0.0081	0.0228	-0.1495	-0.0091
427	1	167	-15.3244	0.0795	0.0055	0.0299	0.3337	-0.0371
		328	-15.2674	0.0796	-0.0398	-0.0801	-0.1770	-0.0371
	2	167	10.2936	0.0620	0.0008	0.0452	-0.2097	0.0402
		328	10.3502	0.0618	-0.0451	-0.0972	0.1878	0.0402
428	1	168	14.9782	0.0776	0.0086	0.0177	0.2720	-0.0583
		328	15.0346	0.0774	-0.0375	-0.0753	-0.2259	-0.0583
	2	168	-10.6778	0.0370	0.0020	0.0354	-0.1454	0.0273
		328	-10.6209	0.0374	-0.0435	-0.0981	0.0935	0.0273
429	1	169	-0.2302	-0.0052	0.0435	-0.0930	0.0537	-0.0056
		329	-0.1736	0.0048	-0.0021	0.0399	0.0218	-0.0056
	2	169	-15.4658	0.1104	0.0150	0.0032	0.4617	-0.0566
		329	-15.4087	0.1102	-0.0302	-0.0456	-0.2464	-0.0566
430	1	170	-0.0069	0.0106	0.0431	-0.0897	-0.0738	0.0079
		329	0.0498	0.0102	-0.0025	0.0406	-0.0068	0.0079
	2	170	15.1441	0.0990	0.0192	-0.0187	0.3582	-0.0757
		329	15.2004	0.0988	-0.0269	-0.0434	-0.2765	-0.0757
431	1	171	14.6935	0.0807	0.0101	0.0114	-0.2836	0.0581
		330	14.7499	0.0804	-0.0360	-0.0721	0.2339	0.0581

	2	171	10.4021	0.0437	0.0409	-0.0821	-0.1165	0.0171
		330	10.4585	0.0441	-0.0051	0.0331	0.1657	0.0171
432	1	172	-15.0388	0.0742	0.0073	0.0219	-0.3104	0.0500
		330	-14.9818	0.0743	-0.0379	-0.0764	0.1665	0.0500
	2	172	-10.6429	0.0641	0.0408	-0.0873	-0.2692	0.0341
		330	-10.5861	0.0638	-0.0047	0.0288	0.1415	0.0341
433	1	67	-15.1210	0.1050	0.0439	-0.0958	-0.3504	0.0078
		173	-15.0640	0.1048	0.0012	0.0458	0.3088	0.0078
	2	67	8.8630	0.0465	0.0424	-0.0798	0.0552	0.0294
		173	8.9194	0.0467	-0.0010	0.0503	-0.2379	0.0294
434	1	174	14.2447	0.0844	0.0120	0.0192	-0.3658	-0.0400
		68	14.1884	0.0842	-0.0315	-0.0419	0.1637	-0.0400
	2	174	-10.8380	0.0698	-0.0064	0.0662	0.1436	-0.0418
		68	-10.8948	0.0703	-0.0493	-0.1088	-0.2964	-0.0418
435	1	68	0.4853	0.0047	0.0033	0.0386	0.0840	-0.0350
		175	0.5420	0.0051	-0.0399	-0.0765	0.1146	-0.0350
	2	68	-15.0210	0.1151	0.0362	-0.0732	-0.3175	-0.0143
		175	-14.9640	0.1151	-0.0065	0.0204	0.4061	-0.0143
436	1	176	0.9650	0.0019	0.0439	-0.0924	0.1090	0.0449
		69	0.9084	-0.0016	0.0007	0.0480	0.0980	0.0449
	2	176	15.1520	0.0794	0.0277	-0.0273	-0.3432	-0.0437
		69	15.0957	0.0794	-0.0159	0.0098	0.1559	-0.0437
437	1	69	13.7631	0.0778	0.0288	-0.0314	0.1353	0.0458
		177	13.8194	-0.0780	-0.0147	0.0130	-0.3541	0.0458
	2	69	10.5863	0.0605	0.0054	0.0396	0.2829	-0.0466
		177	10.6428	0.0601	-0.0379	-0.0627	-0.0959	-0.0466
438	1	178	-14.5527	-0.0989	-0.0054	0.0628	0.2949	-0.0163
		67	-14.6097	0.0992	-0.0481	-0.1054	-0.3277	-0.0163
	2	178	-9.3259	-0.0698	0.0349	-0.0685	0.2962	0.0148
		67	-9.3828	-0.0696	-0.0080	0.0160	-0.1420	0.0148
439	1	173	-14.8322	0.0849	0.0055	0.0238	0.3397	-0.0580
		331	-14.7752	-0.0850	-0.0372	-0.0760	-0.1941	-0.0580
	2	173	9.6991	0.0745	0.0003	0.0461	-0.2577	0.0487
		331	9.7556	0.0742	-0.0430	-0.0880	0.2095	0.0487
440	1	174	14.5005	-0.1043	0.0060	0.0255	0.3922	-0.0778
		331	14.5568	-0.1041	-0.0376	-0.0739	-0.2631	-0.0778
	2	174	-10.0654	0.0420	0.0046	0.0203	-0.1512	0.0296
		331	-10.0085	0.0424	-0.0383	-0.0857	0.1140	0.0296
441	1	175	-0.3589	-0.0198	0.0413	-0.0889	0.1205	-0.0134
		332	-0.3022	-0.0193	-0.0019	0.0348	-0.0024	-0.0134
	2	175	-15.0575	-0.1031	0.0151	-0.0048	0.4396	-0.0724
		332	-15.0005	-0.1029	-0.0275	-0.0437	-0.2077	-0.0724
442	1	176	0.1387	0.0204	0.0390	-0.0762	-0.1225	0.0084
		332	0.1953	0.0200	-0.0041	0.0334	0.0043	0.0084
	2	176	14.7497	-0.0960	0.0171	-0.0116	0.3634	-0.0853
		332	14.8060	-0.0958	-0.0264	-0.0408	-0.2392	-0.0853
443	1	177	13.9283	0.1021	0.0072	0.0213	-0.3828	0.0746
		333	13.9846	0.1018	-0.0364	-0.0705	0.2585	0.0746
	2	177	9.7787	0.0467	0.0382	-0.0749	-0.1092	0.0173
		333	9.8351	0.0472	-0.0053	0.0286	0.1861	0.0173
444	1	178	-14.2593	0.0778	0.0074	0.0143	-0.3121	0.0645
		333	-14.2024	0.0780	-0.0353	-0.0733	0.1772	0.0645
	2	178	-10.0053	0.0802	0.0371	-0.0771	-0.3214	0.0404
		333	-9.9485	0.0799	-0.0058	0.0212	0.1815	0.0404
445	1	73	-13.4418	0.0953	0.0357	-0.0722	-0.3081	0.0037
		179	-13.3906	0.0951	-0.0004	0.0365	0.2773	0.0037
	2	73	8.3149	-0.0454	0.0319	-0.0558	-0.0282	0.0476

		179	8.3657	0.0456	-0.0048	0.0277	-0.3082	0.0476
446	1	180	13.8043	0.0822	0.0129	0.0069	-0.4722	-0.0864
		74	13.7537	0.0821	-0.0241	-0.0276	0.0335	-0.0864
	2	180	-9.2384	0.0371	-0.0046	0.0571	-0.0112	-0.0774
		74	-9.2896	0.0375	-0.0410	-0.0831	-0.2406	-0.0774
447	1	74	-0.1415	0.0138	0.0059	0.0186	0.1660	-0.0807
		181	-0.0905	0.0142	-0.0308	-0.0580	0.2522	-0.0807
	2	74	-13.5615	0.1349	0.0302	-0.0541	-0.3161	-0.0553
		181	-13.5102	0.1349	-0.0060	0.0203	0.5140	-0.0553
448	1	182	0.5790	0.0004	0.0337	-0.0678	0.1984	0.0761
		75	0.5280	0.0000	-0.0029	0.0268	0.1972	0.0761
	2	182	14.5274	0.0719	0.0253	-0.0298	-0.4174	-0.0847
		75	14.4768	0.0719	-0.0118	0.0117	0.0249	-0.0847
449	1	75	12.8040	0.0663	0.0209	-0.0169	-0.0102	0.0786
		183	12.8547	0.0664	-0.0161	-0.0019	-0.4185	0.0786
	2	75	9.2012	0.0627	0.0063	0.0231	0.3806	-0.0812
		183	9.2520	0.0623	-0.0305	-0.0514	-0.0043	-0.0812
450	1	184	-12.8031	0.0896	-0.0026	0.0480	0.2643	-0.0134
		73	-12.8544	0.0898	-0.0387	-0.0790	-0.2873	-0.0134
	2	184	-8.7758	0.0748	0.0264	-0.0470	0.3759	0.0409
		73	-8.8270	0.0746	-0.0099	0.0040	-0.0833	0.0409
451	1	179	-13.1230	0.0866	0.0074	0.0114	0.3105	-0.0611
		334	-13.0717	0.0868	-0.0288	-0.0546	-0.2235	-0.0611
	2	179	8.3130	0.0958	0.0030	0.0311	-0.3190	0.0393
		334	8.3639	0.0955	-0.0339	-0.0641	0.2700	0.0393
452	1	180	12.8209	0.1313	0.0046	0.0226	0.4799	-0.0991
		334	12.8717	0.1310	-0.0323	-0.0626	-0.3270	-0.0991
	2	180	-8.6131	0.0166	0.0055	0.0111	0.0120	0.0185
		334	-8.5619	0.0170	-0.0308	-0.0667	0.1153	0.0185
453	1	181	-0.3652	0.0474	0.0328	-0.0652	0.2431	-0.0400
		335	-0.3142	0.0470	-0.0038	0.0240	-0.0472	-0.0400
	2	181	-13.7489	0.1319	0.0177	-0.0210	0.5560	-0.0885
		335	-13.6976	0.1317	-0.0184	-0.0234	-0.2550	-0.0885
454	1	182	0.2075	0.0383	0.0301	-0.0540	-0.2056	0.0274
		335	0.2585	0.0379	-0.0065	0.0187	0.0287	0.0274
	2	182	13.5009	0.1139	0.0123	-0.0018	0.4259	-0.1266
		335	13.5516	0.1137	-0.0247	-0.0399	-0.2743	-0.1266
455	1	183	12.1821	0.1216	0.0072	0.0145	-0.4393	0.0931
		336	12.2328	0.1213	-0.0297	-0.0548	0.3082	0.0931
	2	183	8.4894	0.0249	0.0300	-0.0535	-0.0276	-0.0017
		336	8.5402	0.0253	-0.0069	0.0176	0.1268	-0.0017
456	1	184	-12.4790	0.0788	0.0087	0.0051	-0.2817	0.0629
		336	-12.4277	0.0789	-0.0275	-0.0528	0.2041	0.0629
	2	184	-8.6709	0.0927	0.0298	-0.0587	-0.3945	0.0582
		336	-8.6198	0.0924	-0.0066	0.0127	0.1758	0.0582
457	1	79	-12.5131	0.1042	0.0285	-0.0546	-0.3216	0.0122
		185	-12.4618	0.1040	-0.0053	0.0153	0.3052	0.0122
	2	79	6.9989	-0.0421	0.0280	-0.0475	-0.0411	0.0217
		185	7.0497	-0.0423	-0.0065	0.0173	-0.2951	0.0217
458	1	186	11.4539	0.0438	0.0112	0.0081	-0.3560	-0.0729
		80	11.4032	0.0436	-0.0235	-0.0291	-0.0930	-0.0729
	2	186	-8.2749	0.0024	0.0003	0.0384	-0.3897	-0.2116
		80	-8.3260	0.0021	-0.0337	-0.0620	-0.3762	-0.2116
459	1	80	0.1875	-0.0221	0.0080	0.0120	0.2789	-0.0707
		187	0.2385	-0.0217	-0.0263	-0.0432	0.1468	-0.0707
	2	80	-13.9728	0.1794	0.0213	-0.0376	-0.1664	-0.1849
		187	-13.9214	0.1793	-0.0125	-0.0112	0.9140	-0.1849

460	1	188	0.5842	0.0178	0.0291	-0.0530	0.1050	0.0523
		81	0.5332	0.0182	-0.0051	0.0192	0.2136	0.0523
	2	188	12.3827	0.0548	0.0203	-0.0195	-0.3268	-0.0753
		81	12.3320	0.0548	-0.0144	-0.0018	0.0034	-0.0753
461	1	81	11.0324	0.0469	0.0219	-0.0248	-0.0340	0.0527
		189	11.0830	0.0470	-0.0128	0.0027	-0.3166	0.0527
	2	81	7.9728	-0.0728	0.0092	0.0123	0.3619	-0.0534
		189	8.0236	0.0724	-0.0253	-0.0360	-0.0753	-0.0534
462	1	190	-12.0774	0.1007	0.0027	0.0256	0.2972	-0.0211
		79	-12.1286	0.1009	-0.0311	-0.0602	-0.3098	-0.0211
	2	190	-7.4341	0.0558	0.0240	-0.0398	0.3270	0.0414
		79	-7.4852	0.0556	-0.0099	0.0026	-0.0086	0.0414
463	1	185	-11.5973	0.0981	0.0116	-0.0042	0.3367	-0.0504
		337	-11.5460	0.0983	-0.0224	-0.0367	-0.2557	-0.0504
	2	185	7.3601	0.0841	0.0048	0.0262	-0.3255	0.0206
		337	7.4109	0.0838	-0.0298	-0.0493	0.1810	0.0206
464	1	186	11.3248	0.1184	0.0074	0.0119	0.3917	-0.1061
		337	11.3755	0.1181	-0.0273	-0.0481	-0.3212	-0.1061
	2	186	-7.6777	0.0701	0.0043	0.0125	0.3569	-0.0631
		337	-7.6265	0.0696	-0.0297	-0.0640	-0.0642	-0.0631
465	1	187	-0.2652	0.0336	0.0284	-0.0530	0.1642	-0.0580
		338	-0.2143	0.0331	-0.0060	0.0146	-0.0368	-0.0580
	2	187	-11.9609	0.2325	0.0284	-0.0553	0.9193	-0.1507
		338	-11.9296	0.2322	-0.0054	0.0140	-0.4810	-0.1507
466	1	188	0.1028	0.0203	0.0259	-0.0429	-0.1268	0.0345
		338	0.1537	0.0198	-0.0085	0.0096	-0.0061	0.0345
	2	188	11.7827	0.1194	0.0107	0.0017	0.3506	-0.1514
		338	11.8334	0.1192	-0.0241	-0.0388	-0.3686	-0.1514
467	1	189	10.9062	0.1068	0.0084	0.0100	-0.3513	0.0885
		339	10.9570	0.1065	-0.0264	-0.0442	0.2917	0.0885
	2	189	7.4738	0.0372	0.0274	-0.0442	-0.0803	-0.0026
		339	7.5246	0.0377	-0.0072	0.0166	0.1454	-0.0026
468	1	190	-11.1732	0.0896	0.0127	-0.0100	-0.3146	0.0517
		339	-11.1220	0.0898	-0.0213	-0.0360	0.2262	0.0517
	2	190	-7.6494	0.0893	0.0247	-0.0468	-0.3634	0.0772
		339	-7.5983	0.0889	-0.0095	-0.0008	0.1739	0.0772
469	1	85	-10.3812	0.0808	0.0203	-0.0285	-0.2482	0.0313
		191	-10.3360	0.0805	-0.0076	0.0090	0.2278	0.0313
	2	85	6.4445	0.0439	0.0275	-0.0502	0.0810	0.0005
		191	6.4894	0.0441	-0.0010	0.0279	-0.1786	0.0005
470	1	192	10.2058	0.0511	0.0056	0.0165	-0.2116	-0.0062
		86	10.1611	0.0510	-0.0230	-0.0348	0.0898	-0.0062
	2	192	-7.3952	0.0789	0.0089	0.0105	-0.0599	-0.1651
		86	-7.4404	0.0792	-0.0191	-0.0196	-0.5266	-0.1651
471	1	86	0.0537	0.0060	0.0063	0.0115	0.0716	-0.0246
		193	0.0987	0.0056	-0.0220	-0.0349	0.0372	-0.0246
	2	86	-9.3131	0.0581	0.0150	-0.0126	0.0965	-0.1170
		193	-9.2678	0.0580	-0.0129	-0.0063	0.4392	-0.1170
472	1	194	0.4719	0.0098	0.0219	-0.0342	0.0147	0.0174
		87	0.4269	0.0102	-0.0063	0.0118	0.0737	0.0174
	2	194	9.9099	0.0520	0.0124	-0.0028	-0.2018	-0.0060
		87	9.8651	0.0519	-0.0164	-0.0147	0.1049	-0.0060
473	1	87	9.7582	-0.0479	0.0222	-0.0328	0.0906	-0.0009
		195	9.8030	-0.0480	-0.0064	0.0138	-0.1924	-0.0009
	2	87	7.1102	-0.0502	0.0102	0.0020	0.1827	-0.0320
		195	7.1551	-0.0498	-0.0183	-0.0220	-0.1123	-0.0320
474	1	196	-9.9389	-0.0775	0.0070	0.0108	0.2193	-0.0302
		85	-9.9841	-0.0778	-0.0209	-0.0302	-0.2391	-0.0302

	2	196	-6.7672	0.0518	0.0208	-0.0334	0.2015	0.0020
		85	-6.8124	0.0516	-0.0072	0.0066	-0.1034	0.0020
475	1	191	-10.2943	0.0710	0.0102	-0.0099	0.2352	-0.0482
		340	-10.2490	0.0711	-0.0177	-0.0322	-0.1846	-0.0482
	2	191	6.7100	0.0633	0.0032	0.0216	-0.2515	0.0308
		340	6.7549	0.0630	-0.0254	-0.0440	0.1218	0.0308
476	1	192	10.0406	0.0869	0.0058	0.0130	0.2688	-0.0599
		340	10.0854	0.0866	-0.0228	-0.0373	-0.2433	-0.0599
	2	192	-7.0021	0.0429	0.0043	0.0083	0.1553	-0.0456
		340	-6.9569	0.0424	-0.0237	-0.0488	-0.0966	-0.0456
477	1	193	-0.2814	0.0202	0.0219	-0.0376	0.0879	-0.0201
		341	-0.2364	0.0198	-0.0065	0.0078	-0.0304	-0.0201
	2	193	-9.4715	0.1589	0.0179	-0.0316	0.5427	-0.1268
		341	-9.4262	0.1587	-0.0100	-0.0085	-0.3955	-0.1268
478	1	194	0.1160	0.0093	0.0208	-0.0347	-0.0492	0.0091
		341	0.1610	0.0089	-0.0076	0.0043	0.0046	0.0091
	2	194	9.2963	0.0891	0.0108	-0.0029	0.2282	-0.0724
		341	9.3410	0.0890	-0.0180	-0.0242	-0.2979	-0.0724
479	1	195	9.5961	0.0771	0.0069	0.0094	-0.2334	0.0532
		342	9.6409	0.0768	-0.0217	-0.0341	0.2209	0.0532
	2	195	6.7330	0.0375	0.0197	-0.0258	-0.0956	0.0277
		342	6.7779	0.0379	-0.0088	0.0062	0.1269	0.0277
480	1	196	-9.8464	0.0672	0.0097	-0.0083	-0.2261	0.0426
		342	-9.8011	0.0674	-0.0183	-0.0339	0.1716	0.0426
	2	196	-6.9105	0.0759	0.0210	-0.0413	-0.2754	0.0551
		342	-6.8654	0.0756	-0.0072	-0.0008	0.1725	0.0551
481	1	91	-9.3685	0.0724	0.0134	-0.0134	-0.2144	0.0236
		197	-9.3232	0.0722	-0.0124	-0.0106	0.2041	0.0236
	2	91	5.9141	0.0475	0.0255	-0.0452	0.0778	0.0221
		197	5.9589	0.0477	-0.0010	0.0260	-0.1980	0.0221
482	1	198	9.5172	0.0667	0.0011	0.0271	-0.2336	-0.0006
		92	9.4724	0.0666	-0.0256	-0.0436	0.1523	-0.0006
	2	198	-5.9154	0.0564	0.0110	-0.0039	0.0808	-0.0606
		92	-5.9605	0.0568	-0.0151	-0.0158	-0.2470	-0.0606
483	1	92	-0.4012	0.0026	0.0094	0.0008	0.0285	-0.0209
		199	-0.3562	0.0030	-0.0169	-0.0212	0.0445	-0.0209
	2	92	-8.8298	0.0722	0.0122	-0.0110	-0.1360	-0.0185
		199	-8.7845	0.0722	-0.0136	-0.0149	0.2823	-0.0185
484	1	200	0.0179	0.0134	0.0163	-0.0199	-0.0121	0.0063
		93	-0.0271	0.0138	-0.0100	-0.0015	0.0666	0.0063
	2	200	9.3834	0.0590	0.0053	0.0148	-0.1930	0.0087
		93	9.3386	0.0589	-0.0214	-0.0318	0.1485	0.0087
485	1	93	9.2115	0.0541	0.0244	-0.0413	0.1265	-0.0093
		201	9.2563	0.0543	-0.0023	0.0229	-0.1873	-0.0093
	2	93	5.7849	0.0512	0.0153	-0.0145	0.1640	-0.0165
		201	5.8298	0.0507	-0.0113	-0.0030	-0.1309	-0.0165
486	1	202	-8.8075	0.0712	0.0117	-0.0080	0.2020	-0.0234
		91	-8.8528	0.0715	-0.0142	-0.0152	-0.2111	-0.0234
	2	202	-6.2711	0.0579	0.0196	-0.0321	0.2231	0.0173
		91	-6.3163	0.0577	-0.0064	0.0061	-0.1116	0.0173
487	1	197	-8.9601	0.0643	0.0164	-0.0294	0.2062	-0.0493
		343	-8.9148	0.0645	-0.0095	-0.0093	-0.1668	-0.0493
	2	197	5.4114	0.0891	-0.0009	0.0295	-0.3121	0.0603
		343	5.4563	0.0888	-0.0273	-0.0521	0.2028	0.0603
488	1	198	8.7267	0.1004	0.0004	0.0276	0.3291	-0.0674
		343	8.7715	0.1001	-0.0263	-0.0474	-0.2514	-0.0674
	2	198	-5.6786	0.0132	0.0124	-0.0151	-0.0354	0.0126

		343	-5.6334	0.0136	-0.0137	-0.0187	0.0423	0.0126
489	1	199	-0.3333	-0.0343	0.0199	-0.0333	0.1391	-0.0309
		344	-0.2883	-0.0339	-0.0064	0.0057	-0.0585	-0.0309
	2	199	-8.3799	-0.0989	0.0197	-0.0394	0.3333	-0.0703
		344	-8.3346	-0.0987	-0.0061	-0.0002	-0.2385	-0.0703
490	1	200	0.1747	0.0066	0.0157	-0.0223	-0.0309	0.0061
		344	0.2197	0.0061	-0.0106	-0.0073	0.0059	0.0061
	2	200	8.1920	-0.0753	0.0038	0.0176	0.2168	-0.0522
		344	8.2368	-0.0752	-0.0229	-0.0375	-0.2189	-0.0522
491	1	201	8.2046	0.0766	0.0013	0.0251	-0.2333	0.0547
		345	8.2494	0.0763	-0.0254	-0.0449	0.2096	0.0547
	2	201	5.4869	0.0412	0.0108	-0.0044	-0.1112	0.0334
		345	5.5317	0.0416	-0.0158	-0.0187	0.1287	0.0334
492	1	202	-8.4201	0.0630	0.0154	-0.0271	-0.2096	0.0367
		345	-8.3748	0.0631	-0.0104	-0.0126	0.1555	0.0367
	2	202	-5.6414	0.0944	0.0239	-0.0489	-0.3371	0.0706
		345	-5.5963	0.0940	-0.0022	0.0138	0.2082	0.0706
501	1	13	13.7790	0.0080	0.0008	0.0629	0.0414	0.0111
		601	13.7791	0.0080	-0.0584	-0.1043	-0.0048	0.0111
	2	13	-13.8840	-0.0231	0.0183	0.0277	0.0784	0.0299
		601	-13.8841	0.0231	-0.0409	-0.0380	-0.0554	0.0299
502	1	301	-16.6339	0.0126	0.0440	-0.0654	-0.0551	-0.0105
		602	-16.6339	0.0126	-0.0151	0.0184	0.0180	-0.0105
	2	301	10.6214	0.0065	0.0248	-0.0467	-0.0551	-0.0139
		602	10.6214	0.0065	-0.0343	-0.0744	-0.0173	-0.0139
503	1	14	2.5996	0.0146	0.0493	-0.0990	-0.0680	-0.0213
		603	2.5996	0.0146	-0.0098	0.0155	0.0169	-0.0213
	2	14	13.4747	0.0106	0.0077	0.0368	0.0405	0.0057
		603	13.4749	0.0106	-0.0515	-0.0902	-0.0212	0.0057
504	1	302	1.6766	0.0180	0.0267	-0.0050	0.0994	0.0073
		604	1.6766	0.0180	-0.0325	-0.0219	-0.0051	0.0073
	2	302	-16.1470	-0.0046	0.0442	-0.0556	0.0201	0.0063
		604	-16.1470	-0.0046	-0.0150	0.0293	-0.0064	0.0063
505	1	15	-16.8690	0.0013	0.0347	-0.0262	-0.0003	0.0198
		605	-16.8690	0.0013	-0.0246	0.0031	0.0071	0.0198
	2	15	-9.2401	0.0193	0.0546	-0.1063	-0.0841	-0.0076
		605	-9.2402	0.0193	-0.0046	0.0390	0.0277	-0.0076
506	1	303	14.1808	0.0193	0.0197	-0.0315	-0.0817	-0.0267
		606	14.1808	0.0193	-0.0396	-0.0894	0.0301	-0.0267
	2	303	13.1226	-0.0069	0.0195	0.0005	0.0618	0.0023
		606	13.1226	-0.0069	-0.0397	-0.0582	0.0218	0.0023
507	1	19	13.4397	0.0058	0.0685	-0.1207	0.0365	0.0230
		304	13.4400	0.0058	-0.0847	-0.2116	-0.0286	0.0230
	2	19	-11.8925	0.0079	0.0568	-0.0083	0.0103	0.0417
		304	-11.8926	0.0079	-0.0965	-0.2299	-0.0783	0.0417
508	1	304	-15.6298	0.0042	0.0907	-0.1960	-0.0518	-0.0222
		20	-15.6295	0.0042	-0.0626	-0.0388	-0.0049	-0.0222
	2	304	11.1257	0.0106	0.0911	-0.2427	-0.0605	-0.0186
		20	11.1255	0.0106	-0.0622	-0.0815	0.0582	-0.0186
509	1	20	0.8451	0.0110	0.0921	-0.2279	-0.0401	-0.0066
		305	0.8450	0.0110	-0.0612	-0.0555	0.0823	-0.0066
	2	20	12.9388	0.0010	0.0756	-0.1552	0.0181	0.0247
		305	12.9391	-0.0010	-0.0777	-0.1674	0.0074	0.0247
510	1	305	1.2242	-0.0128	0.0613	-0.0577	0.0942	0.0080
		21	1.2243	0.0128	-0.0920	-0.2288	-0.0482	0.0080
	2	305	-14.9168	0.0011	0.0821	-0.1527	-0.0111	-0.0057
		21	-14.9164	0.0011	-0.0712	-0.0918	-0.0228	-0.0057

511	1	21	-16.0104	0.0044	0.0623	-0.0364	-0.0026	0.0249
		306	-16.0107	0.0044	-0.0910	-0.1970	-0.0519	0.0249
	2	21	-10.6658	0.0084	0.0870	-0.1785	-0.0465	0.0081
		306	-10.6660	0.0084	-0.0662	-0.0623	0.0474	0.0081
512	1	306	13.8204	0.0083	0.0843	-0.2102	-0.0384	-0.0225
		19	13.8201	0.0083	-0.0689	-0.1238	0.0537	-0.0225
	2	306	12.1872	0.0103	0.0611	-0.0781	0.0967	0.0153
		19	12.1871	0.0103	-0.0921	-0.2513	-0.0187	0.0153
513	1	25	13.0501	0.0053	0.0664	-0.1181	0.0328	0.0205
		307	13.0505	0.0053	-0.0807	-0.1946	-0.0240	0.0205
	2	25	-11.7725	0.0070	0.0535	0.0000	-0.0052	0.0431
		307	-11.7726	0.0070	-0.0935	-0.2143	-0.0805	0.0431
514	1	307	-15.2794	0.0035	0.0888	-0.1856	-0.0520	-0.0183
		26	-15.2791	0.0035	-0.0584	-0.0222	-0.0146	-0.0183
	2	307	10.0485	0.0112	0.0852	-0.2171	-0.0570	-0.0214
		26	10.0483	0.0112	-0.0620	-0.0923	0.0634	-0.0214
515	1	26	1.1634	0.0100	0.0877	-0.2048	-0.0285	-0.0080
		308	1.1634	0.0100	-0.0595	-0.0536	0.0785	-0.0080
	2	26	12.5464	0.0018	0.0749	-0.1619	0.0029	0.0254
		308	12.5468	0.0018	-0.0722	-0.1475	0.0223	0.0254
516	1	308	1.5623	0.0117	0.0594	-0.0551	0.0898	0.0096
		27	1.5624	0.0117	-0.0877	-0.2065	-0.0353	0.0096
	2	308	-14.7106	0.0006	0.0809	-0.1456	-0.0217	-0.0023
		27	-14.7102	0.0006	-0.0663	-0.0673	-0.0156	-0.0023
517	1	27	-15.6819	0.0038	0.0580	-0.0196	-0.0126	0.0215
		309	-15.6822	0.0038	-0.0892	-0.1864	-0.0538	0.0215
	2	27	-9.8368	0.0089	0.0814	-0.1484	-0.0483	0.0031
		309	-9.8370	0.0089	-0.0657	-0.0643	0.0475	0.0031
518	1	309	13.4439	0.0082	0.0802	-0.1932	-0.0338	-0.0198
		25	13.4435	0.0082	-0.0669	-0.1216	0.0537	-0.0198
	2	309	11.9689	0.0089	0.0579	-0.0704	0.0936	0.0185
		25	11.9688	0.0089	-0.0892	-0.2383	-0.0014	0.0185
519	1	31	12.6094	0.0039	0.0554	-0.0940	0.0296	0.0228
		310	12.6098	0.0039	-0.0611	-0.1230	-0.0108	0.0228
	2	31	-11.3276	0.0103	0.0503	-0.0504	-0.0133	0.0367
		310	-11.3277	0.0103	-0.0661	-0.1314	-0.1195	0.0367
520	1	310	-14.5710	0.0056	0.0643	-0.1209	-0.0746	-0.0223
		32	-14.5706	0.0056	-0.0522	-0.0585	-0.0167	-0.0223
	2	310	9.3026	0.0250	0.0634	-0.1337	-0.0891	-0.0159
		32	9.3024	0.0250	-0.0530	-0.0803	0.1674	-0.0159
521	1	32	0.8786	0.0112	0.0638	-0.1280	-0.0267	-0.0068
		311	0.8786	0.0112	-0.0526	-0.0704	0.0882	-0.0068
	2	32	12.3620	0.0178	0.0582	-0.1074	-0.1039	0.0218
		311	12.3624	0.0178	-0.0582	-0.1075	0.0790	0.0218
522	1	311	1.2832	0.0127	0.0527	-0.0712	0.1015	0.0081
		33	1.2832	-0.0127	-0.0638	-0.1286	-0.0293	0.0081
	2	311	-14.4457	0.0121	0.0607	-0.1040	-0.0641	-0.0055
		33	-14.4453	0.0121	-0.0558	-0.0784	0.0600	-0.0055
523	1	33	-15.0100	-0.0054	0.0521	-0.0578	-0.0203	0.0253
		312	-15.0103	0.0054	-0.0644	-0.1211	-0.0755	0.0253
	2	33	-9.0802	0.0185	0.0617	-0.1092	-0.1222	0.0076
		312	-9.0805	0.0185	-0.0547	-0.0734	0.0676	0.0076
524	1	312	12.9717	0.0078	0.0609	-0.1225	-0.0225	-0.0223
		31	12.9713	0.0078	-0.0556	-0.0954	0.0572	-0.0223
	2	312	11.5391	-0.0122	0.0522	-0.0772	0.1318	0.0127
		31	11.5389	-0.0122	-0.0642	-0.1391	0.0065	0.0127
525	1	37	11.7555	-0.0009	0.0523	-0.0823	0.0169	0.0216
		313	11.7559	-0.0009	-0.0591	-0.1154	0.0076	0.0216

	2	37	-10.6149	0.0073	0.0478	-0.0445	-0.0416	0.0334
		313	-10.6151	0.0073	-0.0636	-0.1218	-0.1134	0.0334
526	1	313	-14.1930	0.0041	0.0614	-0.1106	-0.0765	-0.0217
		38	-14.1926	0.0041	-0.0500	-0.0546	-0.0365	-0.0217
	2	313	9.2998	0.0176	0.0614	-0.1257	-0.0535	-0.0141
		38	9.2995	0.0176	-0.0501	-0.0702	0.1197	-0.0141
527	1	38	1.1667	0.0078	0.0617	-0.1203	-0.0007	-0.0044
		314	1.1667	0.0078	-0.0498	-0.0618	0.0760	-0.0044
	2	38	11.3987	0.0328	0.0558	-0.0975	0.0850	0.0093
		314	11.3992	0.0328	-0.0556	-0.0962	-0.2379	0.0093
528	1	314	1.5609	0.0054	0.0497	-0.0622	0.0766	0.0057
		39	1.5609	0.0054	-0.0617	-0.1211	0.0231	0.0057
	2	314	-13.5651	0.0412	0.0585	-0.0984	0.2612	0.0072
		39	-13.5646	0.0412	-0.0529	-0.0709	-0.1435	0.0072
529	1	39	-14.6014	0.0008	0.0499	-0.0538	-0.0631	0.0245
		315	-14.6018	0.0008	-0.0615	-0.1108	-0.0714	0.0245
	2	39	-9.1023	0.0098	0.0595	-0.1023	-0.0647	0.0081
		315	-9.1025	0.0098	-0.0519	-0.0648	0.0312	0.0081
530	1	315	12.1111	0.0050	0.0589	-0.1149	-0.0005	-0.0207
		37	12.1106	0.0050	-0.0525	-0.0838	0.0485	-0.0207
	2	315	10.8123	0.0085	0.0497	-0.0691	0.1204	0.0104
		37	10.8121	0.0085	-0.0617	-0.1284	0.0370	0.0104
531	1	43	11.0892	0.0063	0.0489	-0.0691	-0.0087	0.0197
		316	11.0897	0.0063	-0.0575	-0.1095	0.0503	0.0197
	2	43	-10.1163	0.0049	0.0427	-0.0272	-0.0679	0.0366
		316	-10.1165	0.0049	-0.0636	-0.1251	-0.1141	0.0366
532	1	316	-13.7727	0.0095	0.0612	-0.1131	-0.1152	-0.0185
		44	-13.7723	0.0095	-0.0452	-0.0381	-0.0261	-0.0185
	2	316	8.3039	0.0035	0.0603	-0.1223	-0.0005	-0.0197
		44	8.3035	0.0035	-0.0461	-0.0561	0.0327	-0.0197
533	1	44	1.0799	0.0028	0.0607	-0.1175	0.0211	-0.0070
		317	1.0799	0.0028	-0.0457	-0.0475	0.0476	-0.0070
	2	44	11.3696	0.0095	0.0535	-0.0904	-0.0115	0.0184
		317	11.3701	0.0095	-0.0529	-0.0873	0.0781	0.0184
534	1	317	1.4859	0.0086	0.0456	-0.0476	0.0474	0.0096
		45	1.4859	0.0086	-0.0608	-0.1191	0.1278	0.0096
	2	317	-13.5416	-0.0116	0.0571	-0.0949	-0.0176	-0.0034
		45	-13.5411	-0.0116	-0.0493	-0.0578	-0.1266	-0.0034
535	1	45	-13.9386	0.0081	0.0449	-0.0363	-0.1513	0.0216
		318	-13.9390	0.0081	-0.0615	-0.1139	-0.0755	0.0216
	2	45	-8.1058	0.0162	0.0578	-0.0977	0.1005	0.0014
		318	-8.1061	-0.0162	-0.0486	-0.0546	-0.0517	0.0014
536	1	318	11.6439	0.0032	0.0572	-0.1085	0.0565	-0.0172
		43	11.6434	-0.0032	-0.0492	-0.0711	0.0262	-0.0172
	2	318	10.3238	-0.0051	0.0453	-0.0525	0.1133	0.0143
		43	10.3236	-0.0051	-0.0611	-0.1268	0.0655	0.0143
537	1	49	10.5323	0.0088	0.0470	-0.0659	-0.0149	0.0254
		319	10.5329	0.0088	-0.0544	-0.0987	0.0640	0.0254
	2	49	-9.6165	-0.0019	0.0400	-0.0207	-0.0861	0.0273
		319	-9.6168	-0.0019	-0.0614	-0.1166	-0.1035	0.0273
538	1	319	-12.7187	0.0058	0.0594	-0.1067	-0.1084	-0.0240
		50	-12.7182	0.0058	-0.0419	-0.0286	-0.0565	-0.0240
	2	319	7.6174	-0.0022	0.0576	-0.1128	0.0172	-0.0093
		50	7.6171	-0.0022	-0.0437	-0.0505	-0.0020	-0.0093
539	1	50	1.2476	-0.0141	0.0582	-0.1088	0.0897	-0.0031
		320	1.2476	-0.0141	-0.0431	-0.0409	-0.0364	-0.0031
	2	50	10.3151	0.0224	0.0510	-0.0827	-0.0312	0.0176

		320	10.3157	0.0224	-0.0503	-0.0796	0.1692	0.0176
540	1	320	1.9081	0.0615	0.0425	-0.0397	-0.0715	0.0126
		51	1.9081	0.0615	-0.0588	-0.1126	0.4783	0.0126
	2	320	-13.3216	-0.0557	0.0560	-0.0906	0.0531	-0.0031
		51	-13.3210	-0.0557	-0.0453	-0.0428	-0.4447	-0.0031
541	1	51	-13.7345	0.0589	0.0407	-0.0208	-0.4961	0.0289
		321	-13.7350	0.0589	-0.0606	-0.1099	0.0300	0.0289
	2	51	-7.3250	0.0687	0.0549	-0.0873	0.4432	0.0059
		321	-7.3253	0.0687	-0.0464	-0.0490	-0.1709	0.0059
542	1	321	10.6455	0.0160	0.0541	-0.0983	0.1323	-0.0210
		49	10.6449	0.0160	-0.0472	-0.0674	-0.0107	-0.0210
	2	321	9.8031	0.0069	0.0424	-0.0448	0.0473	0.0041
		49	9.8028	0.0069	-0.0590	-0.1193	0.1086	0.0041
543	1	55	9.6526	0.0115	0.0422	-0.0563	-0.0227	0.0113
		322	9.6532	0.0115	-0.0541	-0.1065	0.0748	0.0113
	2	55	-8.9365	0.0006	0.0289	0.0260	-0.0757	0.0237
		322	-8.9368	0.0006	-0.0674	-0.1379	-0.0703	0.0237
544	1	322	-12.2665	0.0033	0.0639	-0.1208	-0.0842	-0.0104
		56	-12.2659	0.0033	-0.0324	0.0132	-0.0560	-0.0104
	2	322	7.1967	-0.0106	0.0609	-0.1330	0.0497	-0.0129
		56	7.1963	-0.0106	-0.0354	-0.0249	-0.0401	-0.0129
545	1	56	1.4146	-0.0161	0.0620	-0.1259	0.0947	0.0037
		323	1.4146	-0.0161	-0.0344	-0.0086	-0.0421	0.0037
	2	56	9.6623	0.0167	0.0496	-0.0861	-0.0126	0.0054
		323	9.6629	0.0167	-0.0467	-0.0741	0.1296	0.0054
546	1	323	1.6131	0.0435	0.0338	-0.0071	-0.0554	-0.0032
		57	1.6131	0.0435	-0.0625	-0.1293	0.3144	-0.0032
	2	323	-12.3601	-0.0317	0.0574	-0.0936	0.0018	0.0033
		57	-12.3595	-0.0317	-0.0389	-0.0152	-0.2678	0.0033
547	1	57	-12.6665	0.0356	0.0319	0.0151	-0.3079	0.0035
		324	-12.6671	0.0356	-0.0644	-0.1228	-0.0050	0.0035
	2	57	-6.9282	-0.0507	0.0564	-0.0914	0.2974	0.0085
		324	-6.9286	-0.0507	-0.0399	-0.0215	-0.1335	0.0085
548	1	324	9.4861	-0.0179	0.0544	-0.1081	0.1210	-0.0029
		55	9.4855	-0.0179	-0.0419	-0.0551	-0.0315	-0.0029
	2	324	9.1093	0.0073	0.0329	-0.0153	0.0298	0.0011
		55	9.1090	0.0073	-0.0634	-0.1446	0.0916	0.0011
549	1	61	9.0608	0.0133	0.0430	-0.0687	-0.0235	0.0105
		325	9.0614	0.0133	-0.0483	-0.0900	0.0839	0.0105
	2	61	-8.2985	0.0131	0.0264	0.0278	-0.1426	0.0211
		325	-8.2988	0.0131	-0.0648	-0.1267	-0.0367	0.0211
550	1	325	-11.4746	-0.0076	0.0633	-0.1154	-0.0601	-0.0067
		62	-11.4740	-0.0076	-0.0280	0.0266	-0.1212	-0.0067
	2	325	6.3184	-0.0212	0.0551	-0.1138	0.0760	-0.0124
		62	6.3181	-0.0212	-0.0363	-0.0382	-0.0952	-0.0124
551	1	62	1.2896	-0.0244	0.0583	-0.1105	0.1501	0.0032
		326	1.2896	-0.0244	-0.0330	-0.0084	-0.0467	0.0032
	2	62	9.2256	0.0067	0.0499	-0.0942	0.0446	0.0098
		326	9.2262	0.0067	-0.0414	-0.0599	0.0986	0.0098
552	1	326	1.1818	0.0332	0.0326	-0.0070	-0.0397	-0.0030
		63	1.1818	0.0332	-0.0587	-0.1124	0.2282	-0.0030
	2	326	-11.4230	-0.0160	0.0568	-0.0894	-0.0420	0.0055
		63	-11.4223	-0.0160	-0.0345	0.0004	-0.1707	0.0055
553	1	63	-11.3218	0.0232	0.0277	0.0275	-0.2171	0.0001
		327	-11.3224	0.0232	-0.0636	-0.1170	-0.0300	0.0001
	2	63	-6.2004	-0.0403	0.0507	-0.0664	0.2129	0.0068
		327	-6.2008	-0.0403	-0.0407	-0.0262	-0.1118	0.0068

554	1	327	8.8911	0.0155	0.0484	-0.0900	0.1007	-0.0039
		61	8.8905	0.0155	-0.0429	-0.0678	-0.0243	-0.0039
	2	327	8.4273	0.0152	0.0299	-0.0096	0.0222	0.0009
		61	8.4270	0.0152	-0.0614	-0.1365	0.1449	0.0009
555	1	67	8.4366	0.0173	0.0328	-0.0472	-0.0340	0.0109
		328	8.4371	0.0173	-0.0357	-0.0584	0.0979	0.0109
	2	67	-7.5763	0.0232	0.0223	0.0097	-0.1733	0.0121
		328	-7.5765	0.0232	-0.0463	-0.0816	0.0036	0.0121
556	1	328	-10.6710	0.0226	0.0459	-0.0768	-0.0186	-0.0118
		68	-10.6706	0.0226	-0.0226	0.0116	-0.1905	-0.0118
	2	328	5.6387	0.0299	0.0400	-0.0726	0.0957	-0.0066
		68	5.6384	0.0299	-0.0285	-0.0291	-0.1315	-0.0066
557	1	68	1.3562	0.0403	0.0418	-0.0718	0.2246	0.0000
		329	1.3562	0.0403	-0.0268	-0.0148	-0.0820	0.0000
	2	68	8.4839	0.0038	0.0377	-0.0661	0.0623	0.0111
		329	8.4845	0.0038	-0.0308	-0.0398	0.0910	0.0111
558	1	329	1.2233	0.0412	0.0268	-0.0144	-0.0780	0.0005
		69	1.2233	0.0412	-0.0417	-0.0708	0.2353	0.0005
	2	329	-10.7952	0.0137	0.0428	-0.0642	-0.0496	-0.0050
		69	-10.7947	0.0137	-0.0257	0.0008	-0.1538	-0.0050
559	1	69	-10.6413	0.0261	0.0223	0.0134	-0.2080	0.0100
		330	-10.6418	0.0261	-0.0462	-0.0776	-0.0092	0.0100
	2	69	-5.5420	0.0463	0.0364	-0.0429	0.2210	0.0047
		330	-5.5423	0.0463	-0.0321	-0.0264	-0.1315	0.0047
560	1	330	8.1026	0.0169	0.0359	-0.0589	0.0954	-0.0101
		67	8.1021	0.0169	-0.0326	-0.0462	-0.0330	-0.0101
	2	330	7.6970	0.0229	0.0246	-0.0140	-0.0039	-0.0012
		67	7.6968	0.0229	-0.0440	-0.0879	0.1701	-0.0012
561	1	73	7.1950	0.0325	0.0316	-0.0461	-0.0667	0.0030
		331	7.1955	0.0325	-0.0330	-0.0512	0.1662	0.0030
	2	73	-7.3633	0.0739	0.0197	0.0155	-0.4169	0.0099
		331	-7.3636	0.0739	-0.0449	-0.0748	0.1128	0.0099
562	1	331	-10.8172	-0.0901	0.0469	-0.0771	0.1017	-0.0090
		74	-10.8167	-0.0901	-0.0177	0.0278	-0.5449	-0.0090
	2	331	4.7625	-0.0758	0.0382	-0.0668	0.2072	-0.0025
		74	4.7622	-0.0758	-0.0264	-0.0245	-0.3367	-0.0025
563	1	74	2.0953	-0.1206	0.0410	-0.0719	0.6062	0.0024
		332	2.0953	-0.1206	-0.0236	-0.0097	-0.2586	0.0024
	2	74	7.5567	-0.0234	0.0362	-0.0633	0.2275	0.0075
		332	7.5572	-0.0234	-0.0283	-0.0350	0.0598	0.0075
564	1	332	1.7921	0.1147	0.0243	-0.0099	-0.2497	-0.0032
		75	1.7921	0.1147	-0.0402	-0.0670	0.5724	-0.0032
	2	332	-10.7319	-0.0684	0.0446	-0.0666	0.0430	-0.0062
		75	-10.7314	-0.0684	-0.0200	0.0216	-0.4472	-0.0062
565	1	75	-10.4842	0.0850	0.0176	0.0287	-0.5130	0.0063
		333	-10.4846	0.0850	-0.0470	-0.0768	0.0966	0.0063
	2	75	-4.5746	-0.1157	0.0336	-0.0348	0.5443	0.0043
		333	-4.5749	-0.1157	-0.0310	-0.0252	-0.2853	0.0043
566	1	333	6.8346	-0.0304	0.0335	-0.0530	0.1538	-0.0035
		73	6.8341	-0.0304	-0.0310	-0.0440	-0.0638	-0.0035
	2	333	7.4870	0.0767	0.0212	-0.0081	-0.1293	-0.0036
		73	7.4867	0.0767	-0.0433	-0.0873	0.4207	-0.0036
567	1	79	6.2601	0.0252	0.0188	-0.0267	-0.0467	-0.0026
		334	6.2604	0.0252	-0.0218	-0.0365	0.1225	-0.0026
	2	79	-6.3425	0.0700	0.0103	0.0171	-0.3272	-0.0047
		334	-6.3427	0.0700	-0.0303	-0.0498	0.1430	-0.0047
568	1	334	-9.0605	-0.0591	0.0319	-0.0528	0.0442	0.0022
		80	-9.0602	-0.0591	-0.0087	0.0253	-0.3528	0.0022

	2	334	3.5436	.1711	0.0283	-0.0550	0.3588	0.0000
		80	3.5434	.1711	-0.0123	-0.0015	-0.7914	0.0000
569	1	80	1.7705	.0798	0.0277	-0.0481	0.3897	0.0139
		335	1.7705	.0798	-0.0129	0.0017	-0.1468	0.0139
	2	80	7.5450	.1328	0.0265	-0.0556	0.7198	0.0010
		335	7.5454	.1328	-0.0141	-0.0142	-0.1726	0.0010
570	1	335	1.4177	.0637	0.0134	0.0013	-0.1295	-0.0148
		81	1.4177	.0637	-0.0272	-0.0451	0.2984	-0.0148
	2	335	-8.6317	.0111	0.0295	-0.0432	-0.0988	-0.0039
		81	-8.6313	.0111	-0.0111	0.0186	-0.1734	-0.0039
571	1	81	-8.5396	.0403	0.0093	0.0236	-0.2557	-0.0027
		336	-8.5399	.0403	-0.0313	-0.0506	0.0155	-0.0027
	2	81	-3.7998	.0663	0.0226	-0.0234	0.2830	0.0123
		336	-3.8000	.0663	-0.0180	-0.0077	-0.1623	0.0123
572	1	336	6.0444	.0207	0.0221	-0.0377	0.1004	0.0011
		79	6.0440	.0207	-0.0185	-0.0256	-0.0391	0.0011
	2	336	6.4417	.0522	0.0118	-0.0007	-0.0648	-0.0117
		79	6.4415	.0522	-0.0288	-0.0578	0.2858	-0.0117
573	1	85	5.5644	.0192	0.0173	-0.0206	-0.0308	-0.0014
		337	5.5647	.0192	-0.0206	-0.0310	0.0898	-0.0014
	2	85	-5.3935	.0769	0.0100	0.0147	-0.2843	-0.0249
		337	-5.3936	.0769	-0.0279	-0.0415	0.1986	-0.0249
574	1	337	-7.3510	.0248	0.0304	-0.0474	-0.0166	0.0005
		86	-7.3507	.0248	-0.0075	0.0244	-0.1724	0.0005
	2	337	2.8400	.2386	0.0293	-0.0550	0.4225	0.0269
		86	2.8398	.2386	-0.0086	0.0101	-1.0740	0.0269
575	1	86	1.2961	.0411	0.0246	-0.0370	0.1978	0.0106
		338	1.2961	.0411	-0.0133	-0.0016	-0.0606	0.0106
	2	86	6.9272	.2055	0.0227	-0.0365	1.0180	0.0221
		338	6.9276	.2055	-0.0152	-0.0129	-0.2722	0.0221
576	1	338	1.0770	.0320	0.0137	-0.0019	-0.0539	-0.0118
		87	1.0770	.0320	-0.0243	-0.0350	0.1469	-0.0118
	2	338	-6.6853	.0386	0.0268	-0.0363	-0.2325	-0.0238
		87	-6.6850	.0386	-0.0111	0.0129	0.0098	-0.0238
577	1	87	-7.1137	.0140	0.0086	0.0211	-0.1182	0.0002
		339	-7.1140	.0140	-0.0294	-0.0441	-0.0301	0.0002
	2	87	-3.3748	.0392	0.0205	-0.0161	0.1403	0.0128
		339	-3.3750	.0392	-0.0174	-0.0062	-0.1057	0.0128
578	1	339	5.3378	.0162	0.0212	-0.0328	0.0747	-0.0011
		85	5.3375	.0162	-0.0168	-0.0191	-0.0270	-0.0011
	2	339	5.4871	.0318	0.0120	-0.0052	-0.0105	-0.0106
		85	5.4869	.0318	-0.0260	-0.0490	0.1891	-0.0106
579	1	91	4.3081	.0180	0.0238	-0.0326	-0.0282	0.0032
		340	4.3085	.0180	-0.0219	-0.0273	0.0772	0.0032
	2	91	-4.7943	.0905	0.0125	0.0134	-0.3698	-0.0198
		340	-4.7945	.0905	-0.0332	-0.0472	0.1588	-0.0198
580	1	340	-6.5979	.0356	0.0343	-0.0473	0.0126	-0.0038
		92	-6.5975	.0356	-0.0113	0.0197	-0.1949	-0.0038
	2	340	2.4899	.0959	0.0281	-0.0418	0.1795	0.0220
		92	2.4897	.0959	-0.0175	-0.0109	-0.3794	0.0220
581	1	92	1.4149	.0480	0.0274	-0.0352	0.2120	0.0045
		341	1.4149	.0480	-0.0182	-0.0084	-0.0681	0.0045
	2	92	4.2252	.0620	0.0283	-0.0466	0.3227	0.0264
		341	4.2257	.0620	-0.0172	-0.0142	-0.0389	0.0264
582	1	341	1.1791	.0307	0.0190	-0.0105	-0.0544	-0.0060
		93	1.1791	.0307	-0.0266	-0.0326	0.1245	-0.0060
	2	341	-6.0101	.0221	0.0304	-0.0358	-0.1248	-0.0244

		93	-6.0097	.0221	-0.0152	0.0083	0.0041	-0.0244
583	1	93	-6.3935	.0135	0.0123	0.0165	-0.0984	0.0041
		342	-6.3939	.0135	-0.0333	-0.0449	-0.0195	0.0041
	2	93	-2.6068	- .0349	0.0223	-0.0131	0.0982	0.0106
		342	-2.6071	- .0349	-0.0233	-0.0161	-0.1054	0.0106
584	1	342	4.0513	- .0134	0.0225	-0.0286	0.0577	-0.0059
		91	4.0509	- .0134	-0.0232	-0.0308	-0.0208	-0.0059
	2	342	4.8891	.0657	0.0157	-0.0084	-0.0645	-0.0064
		91	4.8889	.0657	-0.0300	-0.0502	0.3193	-0.0064
585	1	97	3.8656	.0379	0.0118	0.0122	-0.0696	-0.0121
		343	3.8660	.0379	-0.0303	-0.0375	0.1342	-0.0121
	2	97	-3.8952	.1913	0.0135	0.0018	-0.7609	-0.0166
		343	-3.8954	.1913	-0.0285	-0.0387	0.2683	-0.0166
586	1	343	-5.2357	- .1253	0.0292	-0.0388	0.1446	0.0031
		98	-5.2354	- .1253	-0.0130	0.0047	-0.5311	0.0031
	2	343	1.8382	- .0940	0.0308	-0.0394	0.2195	0.0251
		98	1.8380	- .0940	-0.0114	0.0127	-0.2875	0.0251
587	1	98	1.3984	- .1402	0.0263	-0.0344	0.5518	0.0123
		344	1.3984	- .1402	-0.0158	-0.0059	-0.2041	0.0123
	2	98	3.9088	- .0388	0.0141	0.0052	0.1976	0.0077
		344	3.9092	- .0388	-0.0280	-0.0323	-0.0117	0.0077
588	1	344	1.0503	.0717	0.0165	-0.0098	-0.1475	-0.0249
		99	1.0503	.0717	-0.0256	-0.0344	0.2391	-0.0249
	2	344	-4.7820	.0026	0.0163	-0.0130	-0.0628	-0.0124
		99	-4.7816	.0026	-0.0259	-0.0389	-0.0489	-0.0124
589	1	99	-5.2990	.0369	0.0224	-0.0281	-0.1836	-0.0022
		345	-5.2993	.0369	-0.0198	-0.0213	0.0152	-0.0022
	2	99	-1.9221	-.0635	0.0261	-0.0370	0.1598	0.0288
		345	-1.9224	-.0635	-0.0161	-0.0099	-0.1826	0.0288
590	1	345	3.3235	-.0130	0.0304	-0.0383	0.0606	0.0062
		97	3.3231	-.0130	-0.0116	0.0123	-0.0095	0.0062
	2	345	3.9406	.1792	0.0154	-0.0054	-0.2277	-0.0163
		97	3.9404	.1792	-0.0267	-0.0357	0.7365	-0.0163
601	1	301	-0.0498	-.0179	0.0424	-0.1029	0.0552	0.0001
		402	-0.0498	-.0179	0.0163	0.0676	-0.0485	0.0001
	2	301	0.0085	-.0158	0.0409	-0.0991	0.0484	0.0002
		402	0.0085	-.0158	0.0148	0.0628	-0.0435	0.0002
602	1	402	-0.0510	.0139	-0.0104	0.0656	-0.0463	0.0000
		302	-0.0510	.0139	-0.0364	-0.0701	0.0343	0.0000
	2	402	0.0084	.0139	-0.0108	0.0619	-0.0436	-0.0002
		302	0.0084	.0139	-0.0369	-0.0761	0.0371	-0.0002
603	1	302	-0.0486	-.0138	0.0365	-0.0700	0.0336	0.0000
		403	-0.0486	-.0138	0.0104	0.0656	-0.0461	0.0000
	2	302	-0.0490	-.0171	0.0417	-0.0985	0.0513	0.0000
		403	-0.0490	-.0171	0.0156	0.0675	-0.0479	0.0000
604	1	403	-0.0473	.0179	-0.0162	0.0678	-0.0487	-0.0001
		303	-0.0472	.0179	-0.0424	-0.1025	0.0553	-0.0001
	2	403	-0.0495	.0149	-0.0112	0.0664	-0.0477	0.0000
		303	-0.0495	.0149	-0.0373	-0.0747	0.0389	0.0000
605	1	303	0.0340	-.0147	0.0388	-0.0851	0.0408	0.0001
		401	0.0339	-.0147	0.0126	0.0642	-0.0444	0.0001
	2	303	-0.0389	-.0124	0.0350	-0.0642	0.0281	0.0000
		401	-0.0390	-.0124	0.0089	0.0635	-0.0441	0.0000
606	1	401	0.0339	.0148	-0.0128	0.0642	-0.0445	-0.0001
		301	0.0339	.0148	-0.0389	-0.0859	0.0416	-0.0001
	2	401	-0.0373	.0187	-0.0174	0.0658	-0.0477	-0.0001
		301	-0.0373	.0187	-0.0435	-0.1112	0.0612	-0.0001

607	1	304	-0.0308	-0.0167	0.0415	-0.0985	0.0495	0.0000
		405	-0.0308	-0.0167	0.0164	0.0632	-0.0438	0.0000
	2	304	-0.0040	-0.0160	0.0395	-0.0911	0.0471	0.0002
		405	-0.0041	-0.0160	0.0144	0.0592	-0.0424	0.0002
608	1	405	-0.0303	0.0125	-0.0090	0.0617	-0.0428	0.0000
		305	-0.0302	0.0125	-0.0341	-0.0586	0.0272	0.0000
	2	405	-0.0028	0.0144	-0.0103	0.0587	-0.0430	-0.0001
		305	-0.0028	0.0144	-0.0355	-0.0693	0.0376	-0.0001
609	1	305	-0.0362	-0.0128	0.0343	-0.0595	0.0283	0.0000
		406	-0.0363	-0.0128	0.0091	0.0619	-0.0432	0.0000
	2	305	-0.0326	-0.0154	0.0402	-0.0896	0.0424	0.0000
		406	-0.0326	-0.0154	0.0150	0.0645	-0.0436	0.0000
610	1	406	-0.0370	0.0168	-0.0163	0.0632	-0.0440	0.0000
		306	-0.0370	0.0168	-0.0414	-0.0979	0.0496	0.0000
	2	406	-0.0324	0.0131	-0.0104	0.0633	-0.0432	0.0000
		306	-0.0324	0.0131	-0.0356	-0.0650	0.0297	0.0000
611	1	306	-0.0124	-0.0151	0.0373	-0.0800	0.0421	0.0002
		404	-0.0125	-0.0151	0.0122	0.0583	-0.0422	0.0002
	2	306	-0.0378	-0.0129	0.0339	-0.0587	0.0291	0.0000
		404	-0.0379	-0.0129	0.0088	0.0606	-0.0431	0.0000
612	1	404	-0.0123	0.0153	-0.0124	0.0584	-0.0424	-0.0002
		304	-0.0122	0.0153	-0.0375	-0.0811	0.0431	-0.0002
	2	404	-0.0390	0.0174	-0.0165	0.0617	-0.0440	-0.0001
		304	-0.0390	0.0174	-0.0416	-0.1005	0.0530	-0.0001
613	1	307	-0.0312	-0.0160	0.0401	-0.0919	0.0458	0.0000
		408	-0.0312	-0.0160	0.0159	0.0583	-0.0401	0.0000
	2	307	-0.0121	-0.0157	0.0379	-0.0844	0.0446	0.0001
		408	-0.0121	-0.0157	0.0138	0.0544	-0.0395	0.0001
614	1	408	-0.0304	0.0119	-0.0085	0.0572	-0.0396	0.0000
		308	-0.0303	0.0119	-0.0326	-0.0529	0.0244	0.0000
	2	408	-0.0109	0.0142	-0.0101	0.0541	-0.0400	-0.0001
		308	-0.0108	0.0142	-0.0342	-0.0647	0.0360	-0.0001
615	1	308	-0.0343	-0.0122	0.0328	-0.0537	0.0255	0.0000
		409	-0.0344	-0.0122	0.0087	0.0573	-0.0400	0.0000
	2	308	-0.0283	-0.0145	0.0385	-0.0821	0.0379	0.0000
		409	-0.0283	-0.0145	0.0144	0.0595	-0.0398	0.0000
616	1	409	-0.0354	0.0160	-0.0158	0.0583	-0.0403	0.0000
		309	-0.0354	0.0160	-0.0399	-0.0912	0.0456	0.0000
	2	409	-0.0277	0.0124	-0.0100	0.0586	-0.0397	0.0000
		309	-0.0277	0.0124	-0.0342	-0.0600	0.0269	0.0000
617	1	309	0.0065	-0.0147	0.0359	-0.0747	0.0400	0.0002
		407	0.0065	-0.0147	0.0118	0.0531	-0.0389	0.0002
	2	309	-0.0329	-0.0127	0.0328	-0.0550	0.0278	0.0000
		407	-0.0330	-0.0127	0.0087	0.0562	-0.0401	0.0000
618	1	407	0.0066	0.0149	-0.0120	0.0532	-0.0390	-0.0002
		307	0.0066	0.0149	-0.0361	-0.0757	0.0408	-0.0002
	2	407	-0.0346	0.0163	-0.0156	0.0568	-0.0401	-0.0001
		307	-0.0346	0.0163	-0.0398	-0.0917	0.0474	-0.0001
619	1	310	-0.0308	-0.0151	0.0390	-0.0857	0.0406	0.0000
		411	-0.0307	-0.0151	0.0158	0.0552	-0.0369	0.0000
	2	310	0.0206	-0.0166	0.0374	-0.0830	0.0474	0.0002
		411	0.0207	-0.0166	0.0143	0.0500	-0.0378	0.0002
620	1	411	-0.0287	0.0109	-0.0075	0.0542	-0.0370	0.0000
		311	-0.0286	0.0109	-0.0306	-0.0438	0.0192	0.0000
	2	411	0.0219	0.0132	-0.0086	0.0491	-0.0368	-0.0001
		311	0.0220	0.0132	-0.0317	-0.0543	0.0308	-0.0001
621	1	311	-0.0343	-0.0114	0.0309	-0.0451	0.0209	0.0000
		412	-0.0344	-0.0114	0.0078	0.0544	-0.0375	0.0000

	2	311	-0.0632	-0.0142	0.0379	-0.0780	0.0355	-0.0001
		412	-0.0632	-0.0142	0.0147	0.0572	-0.0376	-0.0001
622	1	412	-0.0367	0.0150	-0.0156	0.0551	-0.0370	0.0000
		312	-0.0367	0.0150	-0.0388	-0.0846	0.0401	0.0000
	2	412	-0.0626	0.0104	-0.0087	0.0557	-0.0361	0.0001
		312	-0.0625	0.0104	-0.0318	-0.0482	0.0175	0.0001
623	1	312	-0.0106	-0.0148	0.0344	-0.0678	0.0386	0.0002
		410	-0.0106	-0.0148	0.0113	0.0497	-0.0374	0.0002
	2	312	-0.0261	-0.0124	0.0306	-0.0449	0.0251	0.0000
		410	-0.0262	-0.0124	0.0075	0.0529	-0.0385	0.0000
624	1	410	-0.0104	0.0149	-0.0115	0.0497	-0.0375	-0.0002
		310	-0.0104	0.0149	-0.0347	-0.0689	0.0394	-0.0002
	2	410	-0.0297	0.0154	-0.0158	0.0526	-0.0361	-0.0001
		310	-0.0298	0.0154	-0.0390	-0.0883	0.0430	-0.0001
625	1	313	-0.0483	-0.0142	0.0377	-0.0796	0.0363	0.0000
		414	-0.0483	-0.0142	0.0155	0.0513	-0.0338	0.0000
	2	313	0.0334	-0.0167	0.0376	-0.0816	0.0472	0.0001
		414	0.0335	-0.0167	0.0154	0.0488	-0.0350	0.0001
626	1	414	-0.0447	0.0103	-0.0067	0.0507	-0.0346	0.0000
		314	-0.0446	0.0103	-0.0295	-0.0412	0.0177	0.0000
	2	414	0.0277	0.0045	-0.0052	0.0430	-0.0230	-0.0001
		314	0.0278	0.0045	-0.0280	-0.0413	-0.0001	-0.0001
627	1	314	-0.0546	-0.0108	0.0298	-0.0425	0.0195	0.0000
		415	-0.0547	-0.0108	0.0070	0.0510	-0.0352	0.0000
	2	314	-0.0005	-0.0223	0.0404	-0.0938	0.0682	0.0000
		415	-0.0005	-0.0223	0.0175	0.0532	-0.0449	0.0000
628	1	415	-0.0586	0.0140	-0.0153	0.0513	-0.0336	0.0000
		315	-0.0586	0.0140	-0.0374	-0.0783	0.0351	0.0000
	2	415	-0.0070	0.0089	-0.0058	0.0469	-0.0323	0.0000
		315	-0.0069	0.0089	-0.0280	-0.0363	0.0114	0.0000
629	1	315	0.0147	0.0149	0.0332	-0.0629	0.0380	0.0002
		413	0.0147	-0.0149	0.0110	0.0458	-0.0354	0.0002
	2	315	-0.0600	-0.0121	0.0291	-0.0403	0.0237	0.0000
		413	-0.0601	-0.0121	0.0070	0.0485	-0.0360	0.0000
630	1	413	0.0146	0.0148	-0.0111	0.0457	-0.0352	-0.0002
		313	0.0146	0.0148	-0.0332	-0.0634	0.0378	-0.0002
	2	413	-0.0579	0.0145	-0.0155	0.0491	-0.0329	-0.0001
		313	-0.0580	0.0145	-0.0377	-0.0819	0.0385	-0.0001
631	1	316	0.0039	-0.0131	0.0373	-0.0785	0.0324	0.0000
		417	0.0040	-0.0131	0.0161	0.0469	-0.0289	0.0000
	2	316	-0.0353	0.0167	0.0347	-0.0714	0.0446	0.0002
		417	-0.0353	0.0167	0.0136	0.0419	-0.0338	0.0002
632	1	417	0.0087	0.0079	-0.0051	0.0454	-0.0291	0.0001
		317	0.0088	0.0079	-0.0262	-0.0278	0.0081	0.0001
	2	417	-0.0330	0.0134	-0.0073	0.0407	-0.0331	-0.0002
		317	-0.0330	0.0134	-0.0284	-0.0431	0.0300	-0.0002
633	1	317	-0.0232	-0.0102	0.0272	-0.0321	0.0162	-0.0001
		418	-0.0233	-0.0102	0.0061	0.0461	-0.0318	-0.0001
	2	317	-0.0233	-0.0117	0.0354	-0.0685	0.0258	-0.0001
		418	-0.0232	-0.0117	0.0143	0.0480	-0.0289	-0.0001
634	1	418	-0.0301	0.0121	-0.0154	0.0460	-0.0281	0.0000
		318	-0.0301	0.0121	-0.0365	-0.0757	0.0290	0.0000
	2	418	-0.0205	0.0083	-0.0072	0.0467	-0.0287	0.0001
		318	-0.0204	0.0083	-0.0284	-0.0368	0.0104	0.0001
635	1	318	-0.0491	-0.0162	0.0317	-0.0588	0.0414	0.0002
		416	-0.0491	0.0162	0.0106	0.0405	-0.0344	0.0002
	2	318	-0.0051	0.0109	0.0265	-0.0309	0.0187	0.0000

		416	-0.0052	-.0109	0.0054	0.0441	-0.0322	0.0000
636	1	416	-0.0488	.0154	-0.0103	0.0402	-0.0336	-0.0002
		316	-0.0488	.0154	-0.0314	-0.0574	0.0386	-0.0002
	2	416	-0.0116	.0139	-0.0157	0.0445	-0.0296	-0.0001
		316	-0.0117	.0139	-0.0368	-0.0787	0.0358	-0.0001
637	1	319	0.0841	-.0119	0.0361	-0.0719	0.0274	-0.0001
		420	0.0841	-.0119	0.0160	0.0445	-0.0260	-0.0001
	2	319	-0.1238	-.0167	0.0333	-0.0682	0.0439	0.0002
		420	-0.1237	-.0167	0.0132	0.0355	-0.0306	0.0002
638	1	420	0.0899	.0049	-0.0036	0.0427	-0.0244	0.0001
		320	0.0900	.0049	-0.0237	-0.0185	-0.0024	0.0001
	2	420	-0.1199	.0162	-0.0073	0.0357	-0.0337	-0.0002
		320	-0.1198	.0162	-0.0274	-0.0420	0.0389	-0.0002
639	1	320	-0.0124	-.0119	0.0267	-0.0301	0.0208	-0.0001
		421	-0.0125	-.0119	0.0066	0.0444	-0.0322	-0.0001
	2	320	-0.0117	-.0076	0.0331	-0.0594	0.0118	-0.0001
		421	-0.0116	-.0076	0.0130	0.0438	-0.0224	-0.0001
640	1	421	-0.0243	.0087	-0.0138	0.0418	-0.0226	0.0000
		321	-0.0244	.0087	-0.0339	-0.0646	0.0162	0.0000
	2	421	-0.0036	.0093	-0.0072	0.0455	-0.0291	0.0001
		321	-0.0035	.0093	-0.0273	-0.0316	0.0126	0.0001
641	1	321	-0.1341	-.0186	0.0313	-0.0572	0.0478	0.0002
		419	-0.1341	-.0186	0.0112	0.0377	-0.0355	0.0002
	2	321	0.0701	-.0071	0.0226	-0.0156	0.0048	0.0000
		419	0.0700	-.0071	0.0024	0.0403	-0.0271	0.0000
642	1	419	-0.1338	.0152	-0.0092	0.0366	-0.0321	-0.0002
		319	-0.1337	.0152	-0.0293	-0.0496	0.0359	-0.0002
	2	419	0.0617	.0143	-0.0172	0.0410	-0.0265	-0.0001
		319	0.0616	.0143	-0.0374	-0.0810	0.0372	-0.0001
643	1	322	0.0701	.0100	0.0355	-0.0700	0.0217	-0.0001
		423	0.0702	-.0100	0.0164	0.0402	-0.0208	-0.0001
	2	322	-0.1224	-.0170	0.0307	-0.0591	0.0428	0.0002
		423	-0.1224	-.0170	0.0116	0.0306	-0.0293	0.0002
644	1	423	0.0799	.0033	-0.0019	0.0398	-0.0219	0.0001
		323	0.0800	.0033	-0.0211	-0.0091	-0.0079	0.0001
	2	423	-0.1168	.0188	-0.0085	0.0314	-0.0332	-0.0002
		323	-0.1167	.0188	-0.0276	-0.0453	0.0466	-0.0002
645	1	323	-0.0012	-.0101	0.0232	-0.0178	0.0140	-0.0001
		424	-0.0013	-.0101	0.0041	0.0404	-0.0290	-0.0001
	2	323	-0.0005	.0051	0.0320	-0.0560	0.0048	-0.0001
		424	-0.0004	-.0051	0.0129	0.0395	-0.0169	-0.0001
646	1	424	-0.0170	.0071	-0.0149	0.0364	-0.0168	0.0000
		324	-0.0171	.0071	-0.0340	-0.0674	0.0132	0.0000
	2	424	0.0102	.0072	-0.0058	0.0420	-0.0250	0.0001
		324	0.0103	.0072	-0.0249	-0.0232	0.0054	0.0001
647	1	324	-0.1281	-.0209	0.0310	-0.0612	0.0558	0.0003
		422	-0.1281	-.0209	0.0119	0.0299	-0.0330	0.0003
	2	324	0.0591	-.0078	0.0219	-0.0141	0.0068	0.0000
		422	0.0590	-.0078	0.0028	0.0384	-0.0263	0.0000
648	1	422	-0.1278	.0163	-0.0081	0.0287	-0.0296	-0.0002
		322	-0.1278	.0163	-0.0273	-0.0464	0.0396	-0.0002
	2	422	0.0462	.0119	-0.0159	0.0375	-0.0228	0.0000
		322	0.0461	.0119	-0.0350	-0.0706	0.0280	0.0000
649	1	325	0.0480	-.0086	0.0339	-0.0644	0.0173	-0.0001
		426	0.0481	-.0086	0.0158	0.0357	-0.0173	-0.0001
	2	325	-0.1146	.0169	0.0296	-0.0561	0.0415	0.0002
		426	-0.1146	-.0169	0.0115	0.0268	-0.0268	0.0002

650	1	426	0.0597	0.0041	-0.0016	0.0366	-0.0215	0.0001
		326	0.0598	0.0041	-0.0197	-0.0062	-0.0048	0.0001
	2	426	-0.1077	0.0180	-0.0076	0.0278	-0.0302	-0.0002
		326	-0.1076	0.0180	-0.0257	-0.0393	0.0425	-0.0002
651	1	326	0.0189	-0.0075	0.0204	-0.0093	0.0054	-0.0001
		427	0.0188	-0.0075	0.0023	0.0363	-0.0247	-0.0001
	2	326	0.0299	-0.0041	0.0305	-0.0500	0.0022	-0.0001
		427	0.0300	-0.0041	0.0124	0.0364	-0.0145	-0.0001
652	1	427	0.0043	0.0076	-0.0155	0.0333	-0.0153	0.0000
		327	0.0042	0.0076	-0.0336	-0.0657	0.0152	0.0000
	2	427	0.0392	0.0050	-0.0049	0.0384	-0.0211	0.0001
		327	0.0392	0.0050	-0.0230	-0.0179	-0.0008	0.0001
653	1	327	-0.1192	-0.0194	0.0289	-0.0548	0.0495	0.0003
		425	-0.1192	-0.0194	0.0108	0.0252	-0.0287	0.0003
	2	327	0.0258	0.0087	0.0208	-0.0123	0.0097	0.0000
		425	0.0257	0.0087	0.0026	0.0348	-0.0254	0.0000
654	1	425	-0.1188	0.0169	-0.0083	0.0248	-0.0273	-0.0002
		325	-0.1188	0.0169	-0.0265	-0.0454	0.0409	-0.0002
	2	425	0.0118	0.0112	-0.0152	0.0330	-0.0199	0.0000
		325	0.0117	0.0112	-0.0334	-0.0650	0.0251	0.0000
655	1	328	0.0316	-0.0008	0.0298	-0.0470	-0.0070	-0.0001
		429	0.0317	-0.0008	0.0126	0.0338	-0.0100	-0.0001
	2	328	-0.1179	-0.0208	0.0301	-0.0600	0.0512	0.0003
		429	-0.1178	-0.0208	0.0130	0.0221	-0.0280	0.0003
656	1	429	0.0549	0.0050	-0.0029	0.0385	-0.0220	0.0002
		329	0.0550	0.0050	-0.0200	-0.0051	-0.0030	0.0002
	2	429	-0.1027	0.0248	-0.0066	0.0256	-0.0368	-0.0002
		329	-0.1026	0.0248	-0.0237	-0.0321	0.0573	-0.0002
657	1	329	0.0443	0.0063	0.0201	-0.0058	0.0006	-0.0001
		430	0.0441	0.0063	0.0030	0.0382	-0.0232	-0.0001
	2	329	0.0419	0.0056	0.0266	-0.0313	-0.0275	-0.0002
		430	0.0419	0.0056	0.0095	0.0375	-0.0062	-0.0002
658	1	430	0.0199	0.0010	-0.0127	0.0330	-0.0098	0.0001
		330	0.0198	0.0010	-0.0299	-0.0483	-0.0059	0.0001
	2	430	0.0584	0.0011	-0.0049	0.0418	-0.0178	0.0002
		330	0.0585	0.0011	-0.0221	-0.0097	-0.0136	0.0002
659	1	330	-0.1256	-0.0238	0.0273	-0.0473	0.0572	0.0003
		428	-0.1256	0.0238	0.0102	0.0241	-0.0337	0.0003
	2	330	0.0171	-0.0103	0.0184	-0.0033	0.0121	-0.0001
		428	0.0170	-0.0103	0.0012	0.0341	-0.0270	-0.0001
660	1	428	-0.1250	0.0235	-0.0095	0.0242	-0.0337	-0.0003
		328	-0.1250	0.0235	-0.0267	-0.0448	0.0558	-0.0003
	2	428	-0.0106	0.0091	-0.0157	0.0288	-0.0155	-0.0001
		328	-0.0107	0.0091	-0.0329	-0.0636	0.0192	-0.0001
661	1	331	0.1116	0.0074	0.0286	-0.0449	-0.0257	-0.0001
		432	0.1117	0.0074	0.0125	0.0288	0.0010	-0.0001
	2	331	-0.2820	-0.0229	0.0285	-0.0590	0.0557	0.0003
		432	-0.2819	-0.0229	0.0124	0.0143	-0.0264	0.0003
662	1	432	0.1508	0.0037	-0.0006	0.0388	-0.0213	0.0002
		332	0.1509	0.0037	-0.0167	0.0077	-0.0082	0.0002
	2	432	-0.2603	0.0332	-0.0080	0.0205	-0.0412	-0.0003
		332	-0.2602	0.0332	-0.0242	-0.0373	0.0777	-0.0003
663	1	332	0.1565	0.0023	0.0157	0.0107	-0.0120	-0.0002
		433	0.1564	0.0023	-0.0004	0.0382	-0.0203	-0.0002
	2	332	0.1631	0.0153	0.0231	-0.0198	-0.0510	-0.0002
		433	0.1631	0.0153	0.0069	0.0340	0.0038	-0.0002
664	1	433	0.1181	0.0057	-0.0134	0.0292	-0.0005	0.0001
		333	0.1180	0.0057	-0.0295	-0.0477	-0.0210	0.0001

	2	433	0.1898	.0000	-0.0047	0.0426	-0.0168	0.0003
		333	0.1899	.0000	-0.0208	-0.0030	-0.0168	0.0003
665	1	333	-0.3236	-.0312	0.0265	-0.0518	0.0759	0.0004
		431	-0.3236	-.0312	0.0104	0.0142	-0.0356	0.0004
	2	333	0.0574	-.0081	0.0146	0.0085	0.0044	-0.0001
		431	0.0573	-.0081	-0.0015	0.0321	-0.0247	-0.0001
666	1	431	-0.3228	.0325	-0.0108	0.0146	-0.0369	-0.0004
		331	-0.3228	.0325	-0.0269	-0.0530	0.0795	-0.0004
	2	431	0.0194	.0076	-0.0169	0.0248	-0.0110	-0.0001
		331	0.0193	.0076	-0.0330	-0.0646	0.0163	-0.0001
667	1	334	0.0678	.0079	0.0345	-0.0631	-0.0219	-0.0001
		435	0.0679	.0079	0.0194	0.0274	0.0046	-0.0001
	2	334	-0.2495	-.0118	0.0243	-0.0555	0.0296	0.0005
		435	-0.2494	-.0118	0.0091	0.0006	-0.0100	0.0005
668	1	435	0.1162	.0006	0.0074	0.0391	-0.0228	0.0004
		335	0.1163	.0006	-0.0077	0.0386	-0.0208	0.0004
	2	435	-0.1959	.0496	-0.0108	0.0181	-0.0515	-0.0003
		335	-0.1958	.0496	-0.0260	-0.0437	0.1150	-0.0003
669	1	335	0.1462	.0064	0.0048	0.0472	-0.0386	-0.0004
		436	0.1461	.0064	-0.0103	0.0379	-0.0171	-0.0004
	2	335	0.2959	.0332	0.0206	-0.0077	-0.0929	-0.0004
		436	0.2960	.0332	0.0055	0.0363	0.0186	-0.0004
670	1	436	0.1039	-.0032	-0.0219	0.0301	0.0004	0.0001
		336	0.1038	-.0032	-0.0370	-0.0688	-0.0103	0.0001
	2	436	0.3243	-.0078	-0.0014	0.0477	-0.0126	0.0005
		336	0.3243	-.0078	-0.0165	0.0177	-0.0387	0.0005
671	1	336	-0.2679	-.0323	0.0239	-0.0500	0.0774	0.0005
		434	-0.2679	-.0323	0.0088	0.0049	-0.0311	0.0005
	2	336	-0.1178	-.0062	0.0026	0.0424	-0.0055	-0.0001
		434	-0.1179	-.0062	-0.0126	0.0256	-0.0265	-0.0001
672	1	434	-0.2669	.0376	-0.0119	0.0061	-0.0349	-0.0005
		334	-0.2669	.0376	-0.0271	-0.0595	0.0913	-0.0005
	2	434	-0.1658	.0262	-0.0297	0.0203	-0.0207	-0.0002
		334	-0.1659	.0262	-0.0448	-0.1049	0.0673	-0.0002
673	1	337	0.0203	.0053	0.0317	-0.0524	-0.0152	-0.0001
		438	0.0204	.0053	0.0175	0.0249	0.0013	-0.0001
	2	337	-0.1755	-.0006	0.0322	-0.0843	0.0102	0.0005
		438	-0.1754	-.0006	0.0180	-0.0055	0.0083	0.0005
674	1	438	0.0603	.0010	0.0059	0.0337	-0.0200	0.0003
		338	0.0604	.0010	-0.0082	0.0301	-0.0167	0.0003
	2	438	-0.0857	.0546	-0.0004	0.0232	-0.0603	-0.0001
		338	-0.0856	.0546	-0.0145	-0.0001	0.1105	-0.0001
675	1	338	0.0827	.0036	0.0067	0.0345	-0.0279	-0.0003
		439	0.0826	.0036	-0.0074	0.0335	-0.0165	-0.0003
	2	338	0.4408	.0570	0.0033	0.0547	-0.1527	-0.0007
		439	0.4408	.0570	-0.0108	0.0429	0.0258	-0.0007
676	1	439	0.0467	-.0022	-0.0186	0.0273	-0.0019	0.0001
		339	0.0466	-.0022	-0.0328	-0.0534	-0.0089	0.0001
	2	439	0.4617	-.0054	-0.0129	0.0556	-0.0129	0.0006
		339	0.4618	-.0054	-0.0271	-0.0071	-0.0298	0.0006
677	1	339	-0.1616	-.0276	0.0218	-0.0387	0.0599	0.0004
		437	-0.1616	-.0276	0.0077	0.0077	-0.0267	0.0004
	2	339	-0.3447	-.0044	-0.0093	0.0597	-0.0083	0.0001
		437	-0.3448	-.0044	-0.0234	0.0083	-0.0221	0.0001
678	1	437	-0.1609	.0320	-0.0110	0.0085	-0.0292	-0.0004
		337	-0.1609	.0320	-0.0252	-0.0484	0.0715	-0.0004
	2	437	-0.3916	.0517	-0.0431	0.0068	-0.0293	-0.0005

		337	-0.3917	[illegible].0517	-0.0572	-0.1506	0.1329	-0.0005
679	1	340	0.0066	.0053	0.0266	-0.0373	-0.0152	-0.0001
		441	0.0067	.0053	0.0135	0.0211	0.0003	-0.0001
	2	340	-0.1850	-[illegible].0274	0.0450	-0.1085	0.0682	0.0005
		441	-0.1850	-[illegible].0274	0.0319	0.0036	-0.0115	0.0005
680	1	441	0.0414	.0048	0.0024	0.0289	-0.0192	0.0002
		341	0.0415	[illegible].0048	-0.0108	0.0167	-0.0052	0.0002
	2	441	-0.1381	.0231	0.0147	0.0144	-0.0345	-0.0001
		341	-0.1381	.0231	0.0016	0.0382	0.0330	-0.0001
681	1	341	0.0767	.0034	0.0080	0.0241	-0.0233	-0.0002
		442	0.0766	.0034	-0.0052	0.0282	-0.0133	-0.0002
	2	341	0.2754	.0289	0.0103	0.0303	-0.0813	-0.0006
		442	0.2755	.0289	-0.0028	0.0412	0.0030	-0.0006
682	1	442	0.0494	-[illegible].0012	-0.0157	0.0239	-0.0031	0.0001
		342	0.0493	-[illegible].0012	-0.0288	-0.0409	-0.0067	0.0001
	2	442	0.2888	-[illegible].0105	-0.0078	0.0451	-0.0089	0.0005
		342	0.2889	-[illegible].0105	-0.0209	0.0034	-0.0395	0.0005
683	1	342	-0.1257	-[illegible].0228	0.0198	-0.0293	0.0444	0.0003
		440	-0.1257	-[illegible].0228	0.0067	0.0094	-0.0223	0.0003
	2	342	-0.1446	-[illegible].0110	-0.0026	0.0386	0.0091	0.0000
		440	-0.1447	-[illegible].0110	-0.0157	0.0119	-0.0229	0.0000
684	1	440	-0.1256	[illegible].0282	-0.0104	0.0104	-0.0253	-0.0003
		340	-0.1256	[illegible].0282	-0.0235	-0.0391	0.0569	-0.0003
	2	440	-0.1928	[illegible].0237	-0.0316	0.0033	-0.0070	-0.0004
		340	-0.1929	[illegible].0237	-0.0447	-0.1080	0.0621	-0.0004
685	1	343	0.0147	[illegible].0184	0.0211	-0.0275	-0.0380	0.0000
		444	0.0148	[illegible].0184	0.0089	0.0129	0.0116	0.0000
	2	343	-0.3384	-[illegible].0472	0.0406	-0.0895	0.0989	0.0004
		444	-0.3384	-[illegible].0472	0.0284	0.0035	-0.0283	0.0004
686	1	444	0.0760	[illegible].0149	-0.0009	0.0276	-0.0240	0.0002
		344	0.0761	[illegible].0149	-0.0130	0.0089	0.0161	0.0002
	2	444	-0.3070	[illegible].0214	0.0098	0.0049	-0.0253	-0.0002
		344	-0.3069	[illegible].0214	-0.0023	0.0150	0.0322	-0.0002
687	1	344	0.2115	[illegible].0155	0.0033	0.0333	-0.0455	-0.0003
		445	0.2114	[illegible].0155	-0.0088	0.0258	-0.0038	-0.0003
	2	344	0.3527	[illegible].0163	0.0227	-0.0107	-0.0415	-0.0004
		445	0.3528	[illegible].0163	0.0106	0.0341	0.0025	-0.0004
688	1	445	0.1772	-[illegible].0062	-0.0160	0.0224	0.0020	0.0001
		345	0.1771	[illegible].0062	-0.0281	-0.0370	-0.0146	0.0001
	2	445	0.3700	[illegible].0320	0.0073	0.0334	0.0063	0.0005
		345	0.3701	-[illegible].0320	-0.0049	0.0367	-0.0799	0.0005
689	1	345	-0.2814	-[illegible].0252	0.0150	-0.0213	0.0458	0.0003
		443	-0.2814	-[illegible].0252	0.0029	0.0029	-0.0220	0.0003
	2	345	-0.0419	[illegible].0295	0.0098	0.0120	0.0453	-0.0001
		443	-0.0420	-[illegible].0295	-0.0023	0.0222	-0.0341	-0.0001
690	1	443	-0.2842	[illegible].0423	-0.0155	0.0052	-0.0304	-0.0004
		343	-0.2842	[illegible].0423	-0.0276	-0.0527	0.0834	-0.0004
	2	443	-0.1222	-[illegible].0078	-0.0152	0.0033	0.0096	-0.0002
		343	-0.1223	[illegible].0078	-0.0273	-0.0539	-0.0112	-0.0002
701	1	401	0.0172	[illegible].0002	0.0127	-0.0002	-0.0073	0.0000
		402	0.0172	[illegible].0002	-0.0134	-0.0021	-0.0064	0.0000
	2	401	0.0168	-[illegible].0003	0.0133	-0.0025	-0.0056	0.0000
		402	0.0169	-[illegible].0003	-0.0128	-0.0010	-0.0074	0.0000
702	1	402	0.0193	[illegible].0000	0.0131	0.0019	-0.0085	0.0000
		403	0.0193	[illegible].0000	-0.0130	0.0020	-0.0087	0.0000
	2	402	0.0177	[illegible].0000	0.0128	0.0006	-0.0073	0.0000
		403	0.0177	[illegible].0000	-0.0134	-0.0011	-0.0074	0.0000

703	1	403	0.0171	-0.0002	0.0134	-0.0022	-0.0062	0.0000
		401	0.0171	-0.0002	-0.0127	-0.0002	-0.0074	0.0000
	2	403	0.0191	-0.0003	0.0133	0.0010	-0.0076	0.0000
		401	0.0191	-0.0003	-0.0129	0.0022	-0.0092	0.0000
704	1	404	0.0174	0.0000	0.0123	-0.0003	-0.0064	0.0000
		405	0.0174	0.0000	-0.0128	-0.0015	-0.0066	0.0000
	2	404	0.0186	-0.0001	0.0127	-0.0013	-0.0064	0.0000
		405	0.0186	-0.0001	-0.0124	-0.0006	-0.0069	0.0000
705	1	405	0.0164	0.0000	0.0125	0.0014	-0.0075	0.0000
		406	0.0164	0.0000	-0.0126	0.0013	-0.0074	0.0000
	2	405	0.0165	-0.0001	0.0123	0.0002	-0.0063	0.0000
		406	0.0165	-0.0001	-0.0128	-0.0012	-0.0070	0.0000
706	1	406	0.0178	0.0000	0.0128	-0.0014	-0.0066	0.0000
		404	0.0177	0.0000	-0.0123	-0.0001	-0.0066	0.0000
	2	406	0.0164	0.0000	0.0125	0.0012	-0.0074	0.0000
		404	0.0163	0.0000	-0.0126	0.0010	-0.0073	0.0000
707	1	407	0.0169	-0.0001	0.0119	-0.0003	-0.0060	0.0000
		408	0.0169	-0.0001	-0.0123	-0.0012	-0.0062	0.0000
	2	407	0.0183	0.0000	0.0121	-0.0007	-0.0063	0.0000
		408	0.0183	0.0000	-0.0121	-0.0006	-0.0063	0.0000
708	1	408	0.0154	0.0000	0.0120	0.0010	-0.0068	0.0000
		409	0.0154	0.0000	-0.0121	0.0008	-0.0066	0.0000
	2	408	0.0161	-0.0002	0.0119	0.0001	-0.0057	0.0000
		409	0.0161	-0.0002	-0.0123	-0.0010	-0.0066	0.0000
709	1	409	0.0172	0.0001	0.0122	-0.0010	-0.0063	0.0000
		407	0.0172	0.0001	-0.0119	-0.0002	-0.0061	0.0000
	2	409	0.0152	0.0001	0.0120	0.0008	-0.0067	0.0000
		407	0.0151	0.0001	-0.0121	0.0005	-0.0064	0.0000
710	1	410	0.0168	-0.0002	0.0114	-0.0003	-0.0053	0.0000
		411	0.0169	-0.0002	-0.0117	-0.0011	-0.0061	0.0000
	2	410	0.0188	0.0004	0.0113	0.0002	-0.0070	0.0000
		411	0.0187	0.0004	-0.0118	-0.0012	-0.0049	0.0000
711	1	411	0.0133	0.0001	0.0115	0.0010	-0.0061	0.0000
		412	0.0133	0.0001	-0.0116	0.0007	-0.0058	0.0000
	2	411	0.0154	0.0001	0.0111	0.0007	-0.0058	0.0000
		412	0.0154	0.0001	-0.0120	-0.0014	-0.0055	0.0000
712	1	412	0.0173	0.0002	0.0117	-0.0008	-0.0063	0.0000
		410	0.0172	0.0002	-0.0114	-0.0002	-0.0053	0.0000
	2	412	0.0133	0.0004	0.0112	0.0015	-0.0069	0.0000
		410	0.0133	0.0004	-0.0119	-0.0004	-0.0047	0.0000
713	1	413	0.0169	-0.0003	0.0111	-0.0001	-0.0047	0.0000
		414	0.0170	-0.0003	-0.0111	-0.0002	-0.0064	0.0000
	2	413	0.0105	0.0015	0.0101	-0.0006	-0.0069	0.0000
		414	0.0105	0.0015	-0.0121	-0.0056	0.0002	0.0000
714	1	414	0.0107	0.0001	0.0110	0.0011	-0.0056	0.0000
		415	0.0107	0.0001	-0.0111	0.0008	-0.0052	0.0000
	2	414	0.0152	0.0026	0.0087	0.0061	-0.0118	0.0001
		415	0.0153	0.0026	-0.0135	-0.0057	0.0009	0.0001
715	1	415	0.0170	0.0005	0.0110	0.0002	-0.0068	0.0000
		413	0.0169	0.0005	-0.0112	-0.0003	-0.0045	0.0000
	2	415	0.0202	0.0016	0.0098	0.0067	-0.0117	0.0000
		413	0.0202	0.0016	-0.0123	0.0005	-0.0038	0.0000
716	1	416	0.0172	-0.0003	0.0103	0.0000	-0.0042	0.0000
		417	0.0172	-0.0003	-0.0109	-0.0015	-0.0055	0.0000
	2	416	0.0198	0.0006	0.0103	-0.0004	-0.0064	0.0000
		417	0.0198	0.0006	-0.0108	-0.0015	-0.0036	0.0000
717	1	417	0.0075	0.0004	0.0103	0.0014	-0.0054	0.0000
		418	0.0075	0.0004	-0.0109	-0.0001	-0.0035	0.0000

	2	417	0.0146	-0.0002	0.0101	0.0009	-0.0044	0.0000
		418	0.0146	-0.0002	-0.0110	-0.0013	-0.0054	0.0000
718	1	418	0.0187	0.0008	0.0105	0.0000	-0.0072	0.0000
		416	0.0186	0.0008	-0.0107	-0.0005	-0.0033	0.0000
	2	418	0.0089	0.0004	0.0104	0.0013	-0.0056	0.0000
		416	0.0089	0.0004	-0.0108	0.0003	-0.0038	0.0000
719	1	419	0.0170	0.0000	0.0095	0.0008	-0.0046	0.0000
		420	0.0171	0.0000	-0.0107	-0.0019	-0.0045	0.0000
	2	419	0.0212	0.0001	0.0102	-0.0008	-0.0052	0.0000
		420	0.0212	0.0001	-0.0099	0.0000	-0.0048	0.0000
720	1	420	0.0030	0.0013	0.0091	0.0019	-0.0061	0.0000
		421	0.0030	0.0013	-0.0111	-0.0026	-0.0002	0.0000
	2	420	0.0162	-0.0015	0.0106	-0.0006	-0.0016	0.0000
		421	0.0163	-0.0015	-0.0096	0.0018	-0.0085	0.0000
721	1	421	0.0212	0.0019	0.0092	0.0025	-0.0098	0.0000
		419	0.0211	0.0019	-0.0109	-0.0013	-0.0013	0.0000
	2	421	0.0040	-0.0006	0.0106	-0.0017	-0.0017	0.0000
		419	0.0040	0.0006	-0.0095	0.0007	-0.0046	0.0000
722	1	422	0.0184	-0.0004	0.0093	0.0008	-0.0038	0.0000
		423	0.0185	-0.0004	-0.0099	-0.0004	-0.0056	0.0000
	2	422	0.0243	0.0005	0.0095	0.0009	-0.0064	0.0000
		423	0.0242	0.0005	-0.0096	0.0006	-0.0044	0.0000
723	1	423	-0.0023	0.0014	0.0085	0.0005	-0.0046	0.0000
		424	-0.0023	0.0014	-0.0106	-0.0039	0.0014	0.0000
	2	423	0.0159	-0.0020	0.0105	-0.0012	-0.0005	0.0000
		424	0.0160	-0.0020	-0.0087	0.0026	-0.0089	0.0000
724	1	424	0.0229	0.0025	0.0083	0.0039	-0.0108	0.0000
		422	0.0228	0.0025	-0.0108	-0.0014	-0.0004	0.0000
	2	424	-0.0009	0.0005	0.0099	-0.0024	-0.0008	0.0000
		422	-0.0009	0.0005	-0.0092	-0.0009	-0.0029	0.0000
725	1	425	0.0188	0.0011	0.0093	0.0001	-0.0023	0.0000
		426	0.0189	0.0011	-0.0088	0.0010	-0.0068	0.0000
	2	425	0.0252	0.0008	0.0088	0.0018	-0.0070	0.0000
		426	0.0252	0.0008	-0.0093	0.0007	-0.0038	0.0000
726	1	426	-0.0030	0.0007	0.0085	-0.0008	-0.0026	0.0000
		427	-0.0030	0.0007	-0.0096	-0.0028	0.0003	0.0000
	2	426	0.0135	-0.0018	0.0099	-0.0012	-0.0004	0.0000
		427	0.0136	-0.0018	-0.0082	0.0021	-0.0078	0.0000
727	1	427	0.0213	0.0020	0.0081	0.0030	-0.0092	0.0000
		425	0.0212	0.0020	-0.0100	-0.0007	-0.0010	0.0000
	2	427	-0.0017	0.0001	0.0090	-0.0018	-0.0012	0.0000
		425	-0.0017	0.0001	-0.0091	-0.0019	-0.0015	0.0000
728	1	428	0.0248	-0.0027	0.0099	-0.0004	-0.0004	0.0000
		429	0.0250	-0.0027	-0.0072	0.0048	-0.0107	0.0000
	2	428	0.0377	0.0011	0.0081	0.0051	-0.0096	0.0000
		429	0.0377	0.0011	-0.0091	0.0032	-0.0053	0.0000
729	1	429	-0.0165	0.0002	0.0084	-0.0045	0.0013	0.0000
		430	-0.0165	0.0002	-0.0087	-0.0050	0.0021	0.0000
	2	429	0.0119	-0.0037	0.0108	-0.0038	0.0035	0.0000
		430	0.0120	0.0037	-0.0063	0.0045	-0.0107	0.0000
730	1	430	0.0266	0.0028	0.0071	0.0053	-0.0112	0.0000
		428	0.0265	0.0028	-0.0100	-0.0002	-0.0004	0.0000
	2	430	-0.0148	0.0002	0.0082	-0.0040	0.0009	0.0000
		428	-0.0148	0.0002	-0.0089	-0.0052	0.0018	0.0000
731	1	431	0.0337	0.0050	0.0111	-0.0009	0.0018	-0.0001
		432	0.0338	0.0050	-0.0050	0.0101	-0.0160	-0.0001
	2	431	0.0467	0.0010	0.0077	0.0072	-0.0106	0.0000

		432	0.0466	0.0010	-0.0084	0.0059	-0.0072	0.0000
732	1	432	-0.0353	-0.0003	0.0083	-0.0097	0.0063	0.0000
		433	-0.0353	-0.0003	-0.0078	-0.0087	0.0051	0.0000
	2	432	0.0136	-0.0064	0.0124	-0.0067	0.0076	-0.0001
		433	0.0137	-0.0064	-0.0037	0.0088	-0.0152	-0.0001
733	1	433	0.0342	0.0043	0.0055	0.0090	-0.0147	0.0001
		431	0.0341	0.0043	-0.0106	0.0000	0.0005	0.0001
	2	433	-0.0274	-0.0006	0.0083	-0.0081	0.0053	0.0000
		431	-0.0275	-0.0006	-0.0078	-0.0072	0.0030	0.0000
734	1	434	0.0383	-0.0066	0.0116	-0.0018	0.0039	-0.0001
		435	0.0384	-0.0066	-0.0035	0.0117	-0.0184	-0.0001
	2	434	0.0717	0.0043	0.0111	0.0051	-0.0054	0.0000
		435	0.0717	-0.0043	-0.0040	0.0170	-0.0198	0.0000
735	1	435	-0.0439	-0.0015	0.0087	-0.0113	0.0090	0.0000
		436	-0.0439	-0.0015	-0.0064	-0.0075	0.0039	0.0000
	2	435	-0.0065	-0.0129	0.0165	-0.0182	0.0218	-0.0001
		436	-0.0064	-0.0129	0.0013	0.0118	-0.0217	-0.0001
736	1	436	0.0360	0.0041	0.0054	0.0080	-0.0136	0.0001
		434	0.0359	0.0041	-0.0098	0.0006	0.0002	0.0001
	2	436	-0.0353	0.0027	0.0092	-0.0107	0.0096	0.0001
		434	-0.0354	-0.0027	-0.0060	-0.0053	0.0004	0.0001
737	1	437	0.0319	0.0057	0.0102	-0.0012	0.0031	-0.0001
		438	0.0320	-0.0057	-0.0039	0.0088	-0.0148	-0.0001
	2	437	0.0927	0.0115	0.0158	0.0010	0.0028	0.0000
		438	0.0926	-0.0115	0.0017	0.0284	-0.0333	0.0000
738	1	438	-0.0349	0.0011	0.0079	-0.0085	0.0065	0.0000
		439	-0.0349	-0.0011	-0.0063	-0.0060	0.0031	0.0000
	2	438	-0.0339	0.0196	0.0207	-0.0296	0.0353	-0.0001
		439	-0.0337	0.0196	0.0066	0.0133	-0.0261	-0.0001
739	1	439	0.0301	0.0039	0.0051	0.0063	-0.0116	0.0001
		437	0.0300	0.0039	-0.0090	0.0003	0.0006	0.0001
	2	439	-0.0315	0.0054	0.0103	-0.0118	0.0126	0.0001
		437	-0.0315	-0.0054	-0.0039	-0.0017	-0.0044	0.0001
740	1	440	0.0290	-0.0057	0.0097	-0.0013	0.0033	0.0000
		441	0.0291	0.0057	-0.0035	0.0078	-0.0133	0.0000
	2	440	0.0661	0.0002	0.0074	0.0081	-0.0099	0.0000
		441	0.0660	-0.0002	-0.0057	0.0105	-0.0105	0.0000
741	1	441	-0.0273	0.0017	0.0078	-0.0075	0.0061	0.0000
		442	-0.0273	0.0017	-0.0054	-0.0040	0.0012	0.0000
	2	441	-0.0125	0.0080	0.0120	-0.0112	0.0125	-0.0001
		442	-0.0124	0.0080	-0.0012	0.0045	-0.0107	-0.0001
742	1	442	0.0250	0.0032	0.0053	0.0044	-0.0090	0.0000
		440	0.0249	0.0032	-0.0079	0.0006	0.0003	0.0000
	2	442	-0.0271	0.0017	0.0046	-0.0031	0.0012	0.0001
		440	-0.0272	0.0017	-0.0085	-0.0088	0.0060	0.0001
743	1	443	0.0443	0.0105	0.0125	-0.0028	0.0072	-0.0001
		444	0.0444	0.0105	0.0003	0.0144	-0.0211	-0.0001
	2	443	0.0760	0.0104	-0.0004	0.0185	-0.0245	0.0001
		444	0.0759	0.0104	-0.0126	0.0010	0.0037	0.0001
744	1	444	-0.0468	0.0059	0.0103	-0.0145	0.0144	0.0000
		445	-0.0468	-0.0059	-0.0018	-0.0031	-0.0015	0.0000
	2	444	-0.0012	0.0012	0.0067	-0.0018	0.0007	-0.0001
		445	-0.0011	-0.0012	-0.0055	-0.0002	-0.0025	-0.0001
745	1	445	0.0249	0.0023	0.0055	0.0035	-0.0073	0.0001
		443	0.0248	0.0023	-0.0066	0.0020	-0.0012	0.0001
	2	445	-0.0502	0.0094	-0.0014	0.0012	-0.0063	0.0001
		443	-0.0502	0.0094	-0.0135	-0.0190	0.0192	0.0001

801	1	97	-11.6832	0.0212	-0.1666	0.4737	-0.0858	0.0339
		504	-11.4082	0.0212	-0.0185	-0.2444	0.0557	0.0339
	2	97	-2.6844	0.7471	-0.0234	0.0644	-1.2644	-1.0274
		504	-1.6340	-0.9718	-0.0777	-0.1652	-0.7085	1.5302
802	1	98	2.6507	-0.8159	0.4001	-0.6447	1.3986	1.9372
		505	3.6360	0.1736	-0.7889	-0.6388	0.7609	-2.3348
	2	98	-9.6902	-0.0440	-0.1369	0.3926	0.1766	0.3138
		505	-9.4161	0.0362	-0.0103	-0.1848	0.1011	0.2339
803	1	99	2.7589	0.4293	0.2368	-0.3566	-0.7528	-0.3778
		506	2.8220	-0.3133	-0.1915	-0.2054	-0.3656	-0.3778
	2	99	5.7957	-0.2367	0.4272	-0.6411	0.4317	0.1703
		506	5.8426	0.1872	-0.3191	-0.2802	0.2664	0.1703
804	1	504	-4.9331	-0.0499	-0.1714	0.4216	0.1641	-0.0129
		507	-4.6773	-0.0499	0.1154	0.2372	-0.1687	-0.0129
	2	504	-1.5224	0.6519	-0.0317	0.1262	-1.2304	0.3366
		507	-1.2906	-0.5020	-0.0442	-0.1273	-0.7324	0.3366
805	1	505	0.2445	-0.6196	0.3043	-0.5268	1.3536	-0.5807
		508	0.4462	0.3795	-0.2842	-0.4610	0.5544	-0.5807
	2	505	-4.4001	-0.1107	-0.1405	0.3363	0.2331	0.9080
		508	-4.1464	0.0392	0.1061	0.2231	-0.0042	0.9080
806	1	506	-0.0384	0.4375	0.2138	-0.1802	-0.6171	-1.0388
		509	0.1630	-0.5617	-0.3748	-0.7188	-1.0337	-1.0388
	2	506	0.9346	-0.2556	0.4386	-0.5031	0.2871	0.6038
		509	1.1149	0.3212	-0.5714	-0.9485	0.5072	0.6038
807	1	507	-1.2876	0.0162	-1.2688	0.7891	-0.0408	0.0773
		510	-0.0655	0.0160	0.0104	-0.2070	0.0664	0.0773
	2	507	-1.0293	0.0907	-0.0112	0.0844	-1.0672	-0.5702
		510	-0.1027	0.5399	-0.0597	-0.1724	-0.0050	0.4673
808	1	508	-1.2300	-0.9645	0.5358	-0.5589	0.9408	0.4756
		511	-0.3462	0.4477	-0.3270	-0.2442	-0.0995	-0.5617
	2	508	-1.3642	-0.8350	-1.2016	0.7098	0.5181	2.8692
		511	-0.1463	-0.0962	0.0162	-0.1527	-0.5603	-1.2919
809	1	509	-1.1303	1.8640	0.9504	-0.8802	-1.6628	-3.1529
		512	0.1127	-0.5213	-0.4941	-0.4227	0.6701	1.8978
	2	509	-1.2303	0.8242	1.1804	-1.1800	0.8470	1.8318
		512	-0.0015	0.2120	-0.6807	-0.4096	-0.5086	-1.1737
810	1	97	-4.1346	-0.0675	0.0694	-0.1919	0.2613	0.0006
		505	-4.0882	-0.0676	-0.0021	0.2257	-0.5779	0.0006
	2	97	1.2022	0.0098	0.0333	0.0342	-0.2032	0.0005
		505	1.2475	0.0097	-0.0388	-0.0003	-0.0818	0.0005
811	1	504	2.2313	0.0291	0.0509	-0.1239	0.1215	-0.0003
		98	2.1861	0.0292	-0.0214	0.0592	-0.2410	-0.0003
	2	504	-2.3655	0.0448	0.0098	0.1880	-0.4337	-0.0006
		98	-2.4116	0.0444	-0.0619	-0.1358	0.1202	-0.0006
812	1	98	0.4669	0.0050	0.0326	-0.1331	0.0980	-0.0004
		506	0.5126	0.0052	-0.0394	-0.1754	0.1613	-0.0004
	2	98	-3.5239	-0.0251	0.0494	-0.1429	0.1408	0.0000
		506	-3.4774	-0.0249	-0.0221	0.0265	-0.1699	0.0000
813	1	505	0.2652	-0.0608	0.0751	-0.4383	0.5635	0.0007
		99	0.2195	0.0605	0.0032	0.0484	-0.1903	0.0007
	2	505	3.0155	0.0301	0.0499	-0.1961	0.2409	0.0001
		99	2.9704	0.0302	-0.0225	-0.0257	-0.1338	0.0001
814	1	99	3.2363	0.0075	0.0372	-0.0665	-0.0704	0.0001
		504	3.2814	0.0074	-0.0352	-0.0540	0.0223	0.0001
	2	99	2.2517	0.0498	0.0089	0.0081	-0.1685	-0.0005
		504	2.2970	0.0501	-0.0633	-0.3294	0.4524	-0.0005
815	1	506	-3.3593	0.0317	0.0172	0.0965	-0.2739	-0.0002
		97	-3.4057	0.0316	-0.0543	-0.1338	0.1192	-0.0002

	2	506	-1.3336	0.0233	0.0223	-0.0602	-0.0311	0.0004
		97	-1.3797	0.0233	-0.0494	-0.2286	0.2584	0.0004
816	1	504	-2.3165	-0.0504	0.0662	-0.1738	0.1870	0.0003
		508	-2.2701	-0.0506	-0.0023	0.2133	-0.4154	0.0003
	2	504	0.3673	-0.0157	0.0420	0.0637	-0.2028	0.0011
		508	0.4127	-0.0158	-0.0261	0.1584	-0.3911	0.0011
817	1	507	1.2652	-0.0763	0.0765	-0.2469	0.3092	-0.0006
		505	1.2201	-0.0765	0.0082	0.2586	-0.6022	-0.0006
	2	507	-1.5360	0.0175	0.0235	0.1058	-0.2673	-0.0005
		505	-1.5821	0.0171	-0.0441	-0.0171	-0.0610	-0.0005
818	1	505	1.4195	0.0115	0.0311	-0.2823	0.3061	-0.0012
		509	1.4652	0.0117	-0.0368	-0.3158	0.4444	-0.0012
	2	505	-2.9711	-0.0799	0.0868	-0.3283	0.4136	0.0001
		509	-2.9246	-0.0798	0.0194	0.3054	-0.5392	0.0001
819	1	508	0.2288	-0.0181	0.0438	-0.2249	0.2729	0.0006
		506	0.1831	-0.0178	-0.0241	-0.1077	0.0590	0.0006
	2	508	2.7264	-0.0988	0.0973	-0.5352	0.7307	0.0005
		506	2.6814	-0.0989	0.0290	0.2178	-0.4483	0.0005
820	1	506	2.3676	0.0354	0.0094	0.1174	-0.2760	0.0003
		507	2.4127	0.0352	-0.0588	-0.1772	0.1450	0.0003
	2	506	1.5844	0.0332	0.0131	-0.0250	-0.0699	-0.0004
		507	1.6298	0.0335	-0.0550	-0.2744	0.3280	-0.0004
821	1	509	-3.5548	0.0962	-0.0302	0.4731	-0.7959	-0.0006
		504	-3.6012	0.0961	-0.0976	-0.2891	0.3514	-0.0006
	2	509	-0.3470	0.0116	0.0249	-0.1402	0.1572	0.0008
		504	-0.3931	0.0117	-0.0428	-0.2469	0.2959	0.0008
822	1	507	-0.4683	0.0268	0.0413	-0.1156	0.1198	0.0003
		511	-0.4220	0.0269	-0.0221	-0.0057	-0.1876	0.0003
	2	507	-0.4868	0.0161	0.0222	0.0971	-0.2397	0.0008
		511	-0.4414	0.0160	-0.0419	-0.0157	-0.0560	0.0008
823	1	510	0.0980	-0.0571	0.0662	-0.1748	0.2307	-0.0005
		508	0.0529	0.0572	0.0020	0.2155	-0.4231	-0.0005
	2	510	-0.8982	0.0525	0.0650	-0.1309	0.0942	-0.0011
		508	-0.9443	0.0529	0.0014	0.2487	-0.5087	-0.0011
824	1	508	1.0345	0.0052	0.0285	-0.1430	0.1449	-0.0012
		512	1.0802	0.0054	-0.0353	-0.1816	0.2056	-0.0012
	2	508	-0.6343	0.1034	0.0867	-0.4826	0.7241	-0.0005
		512	-0.5879	0.1032	0.0234	0.1472	-0.4576	-0.0005
825	1	511	0.8765	0.0575	0.0002	-0.0101	-0.1147	0.0014
		509	0.8308	0.0578	-0.0636	-0.3728	0.5445	0.0014
	2	511	0.3517	0.0853	0.0842	-0.2929	0.4251	-0.0002
		509	0.3066	0.0854	0.0199	0.3026	-0.5513	-0.0002
826	1	509	-0.4445	0.0928	-0.0278	0.4407	-0.7429	0.0010
		510	-0.3993	0.0927	-0.0920	-0.2442	0.3184	0.0010
	2	509	0.7688	0.0159	0.0424	-0.1819	0.2219	-0.0009
		510	0.8142	0.0155	-0.0217	-0.0635	0.0424	-0.0009
827	1	512	-1.5667	0.0464	0.0124	0.0733	-0.3463	-0.0006
		507	-1.6131	0.0463	-0.0510	-0.1476	0.1842	-0.0006
	2	512	0.3763	0.0200	0.0227	-0.0973	0.0135	0.0008
		507	0.3303	0.0201	-0.0409	-0.2018	0.2425	0.0008
837	1	510	-0.1838	0.0694	0.0466	-0.0148	0.2121	-0.0001
		511	-0.1830	0.0694	-0.0418	0.0069	-0.4128	-0.0001
	2	510	0.2646	0.0050	0.0653	0.0507	-0.2593	0.0000
		511	0.2641	0.0050	-0.0230	0.2411	-0.3042	0.0000
838	1	511	-0.4371	0.0672	0.0036	-0.1708	0.0810	-0.0002
		512	-0.4371	0.0672	-0.0847	-0.5357	0.6856	-0.0002
	2	511	-0.2341	0.1183	0.0739	-0.2428	0.5675	0.0000

		512	-0.2332	-0.1183	-0.0145	0.0246	-0.4976	0.0000
839	1	512	0.3378	0.1039	0.0237	0.1890	-0.7202	-0.0002
		510	0.3370	0.1039	-0.0647	0.0042	0.2151	-0.0002
	2	512	-0.2425	-0.0016	0.0758	-0.3937	0.2614	0.0003
		510	-0.2429	-0.0016	-0.0126	-0.1092	0.2475	0.0003
901	1	4	-0.4043	-0.0041	0.0188	-0.0248	0.0096	-0.0025
		107	-0.3741	-0.0041	-0.0176	-0.0201	-0.0224	-0.0025
	2	4	6.3342	-0.0079	0.0141	-0.0005	0.0516	0.0034
		107	6.3644	-0.0079	-0.0223	-0.0327	-0.0105	0.0034
902	1	108	4.4310	0.0047	0.0212	-0.0293	-0.0108	-0.0021
		5	4.4008	0.0047	-0.0152	-0.0057	0.0261	-0.0021
	2	108	0.0286	0.0031	0.0182	-0.0219	-0.0153	0.0015
		5	-0.0017	0.0031	-0.0182	-0.0218	0.0088	0.0015
903	1	5	-3.4812	0.0068	0.0207	-0.0347	-0.0394	-0.0018
		109	-3.4510	0.0069	-0.0157	-0.0152	0.0142	-0.0018
	2	5	-1.4595	0.0006	0.0192	-0.0269	-0.0060	-0.0010
		109	-1.4292	0.0006	-0.0172	-0.0191	-0.0011	-0.0010
904	1	110	-3.6413	-0.0072	0.0156	-0.0151	0.0132	0.0026
		6	-3.6715	-0.0072	-0.0208	-0.0354	-0.0429	0.0026
	2	110	1.4836	0.0028	0.0193	-0.0235	-0.0138	0.0025
		6	1.4534	0.0028	-0.0172	-0.0151	0.0079	0.0025
905	1	6	4.4124	-0.0037	0.0150	-0.0041	0.0238	0.0037
		111	4.4426	-0.0037	-0.0215	-0.0294	-0.0051	0.0037
	2	6	-0.4048	0.0044	0.0182	-0.0201	-0.0187	0.0008
		111	-0.3746	0.0044	-0.0183	-0.0207	0.0156	0.0008
906	1	112	-0.5842	0.0039	0.0175	-0.0197	-0.0229	0.0026
		4	-0.6144	0.0039	-0.0189	-0.0254	0.0080	0.0026
	2	112	-6.0740	0.0061	0.0139	-0.0111	0.0009	0.0050
		4	-6.1042	0.0060	-0.0226	-0.0452	-0.0465	0.0050
907	1	7	-0.5354	0.0019	0.0269	-0.0395	-0.0155	-0.0013
		113	-0.5052	0.0019	-0.0271	-0.0408	0.0044	-0.0013
	2	7	2.6496	-0.0038	0.0271	-0.0400	0.0258	0.0022
		113	2.6798	0.0038	-0.0269	-0.0392	-0.0128	0.0022
908	1	114	1.3688	0.0016	0.0259	-0.0369	-0.0058	-0.0029
		8	1.3386	0.0016	-0.0281	-0.0484	0.0210	-0.0029
	2	114	-0.0649	0.0011	0.0268	-0.0395	-0.0131	0.0033
		8	-0.0952	0.0011	-0.0272	-0.0414	-0.0021	0.0033
909	1	8	-2.0842	0.0020	0.0288	-0.0583	-0.0130	0.0005
		115	-2.0540	0.0020	-0.0252	-0.0401	0.0079	0.0005
	2	8	-0.7064	0.0021	0.0271	-0.0422	-0.0112	0.0000
		115	-0.6762	0.0021	-0.0269	-0.0413	0.0101	0.0000
910	1	116	-2.0917	0.0019	0.0252	-0.0401	0.0064	-0.0005
		9	-2.1219	0.0019	-0.0288	-0.0586	-0.0134	-0.0005
	2	116	-0.5276	0.0025	0.0249	-0.0349	-0.0152	-0.0004
		9	-0.5578	0.0025	-0.0292	-0.0572	0.0100	-0.0004
911	1	9	1.2445	0.0013	0.0292	-0.0488	0.0103	0.0035
		117	1.2747	-0.0013	-0.0258	-0.0365	-0.0031	0.0035
	2	9	-0.9941	0.0012	0.0289	-0.0581	-0.0020	0.0035
		117	-0.9640	0.0012	-0.0251	-0.0383	0.0107	0.0035
912	1	118	-0.6195	0.0020	0.0271	-0.0407	0.0043	0.0014
		7	-0.6498	0.0020	-0.0269	-0.0399	-0.0165	0.0014
	2	118	-2.8276	0.0030	0.0254	-0.0409	0.0059	0.0026
		7	-2.8579	-0.0030	-0.0286	-0.0569	-0.0250	0.0026
921	1	601	13.8414	-0.0187	0.0396	-0.0892	0.0288	0.0264
		301	13.8415	0.0187	-0.0196	-0.0310	-0.0796	0.0264
	2	601	-13.0117	0.0013	0.0192	-0.0057	-0.0358	0.0132
		301	-13.0117	-0.0013	-0.0400	-0.0661	-0.0436	0.0132

922	1	602	-16.5078	-0.0017	0.0245	0.0029	0.0074	-0.0181
		14	-16.5077	0.0017	-0.0347	-0.0266	-0.0026	-0.0181
	2	602	9.9570	0.0213	0.0566	-0.0952	-0.0363	-0.0079
		14	9.9569	0.0213	-0.0026	0.0616	0.0871	-0.0079
923	1	603	1.2935	0.0178	0.0325	-0.0214	-0.0032	-0.0071
		302	1.2935	0.0178	-0.0268	-0.0049	0.1003	-0.0071
	2	603	13.0706	0.0035	0.0418	-0.0874	0.0004	0.0193
		302	13.0706	0.0035	-0.0174	-0.0164	-0.0197	0.0193
924	1	604	2.9597	0.0147	0.0097	0.0156	0.0161	0.0224
		15	2.9598	0.0147	-0.0495	-0.0997	-0.0689	0.0224
	2	604	-14.9682	-0.0060	0.0096	0.0354	0.0070	0.0025
		15	-14.9681	0.0060	-0.0496	-0.0806	-0.0278	0.0025
925	1	605	-17.0746	-0.0133	0.0148	0.0195	0.0198	0.0118
		303	-17.0746	-0.0133	-0.0443	-0.0659	-0.0571	0.0118
	2	605	-10.6673	0.0095	0.0240	0.0126	0.0136	-0.0019
		303	-10.6673	0.0095	-0.0351	-0.0193	0.0684	-0.0019
926	1	606	14.1613	0.0084	0.0582	-0.1040	-0.0038	-0.0105
		13	14.1612	0.0084	-0.0011	0.0618	0.0451	-0.0105
	2	606	14.1709	0.0164	0.0210	-0.0202	0.0358	0.0275
		13	14.1709	0.0164	-0.0383	-0.0704	-0.0597	0.0275
931	1	10	-0.0390	0.0059	0.0214	-0.0326	-0.0152	0.0007
		601	-0.0088	0.0058	-0.0149	-0.0071	0.0306	0.0007
	2	10	0.7046	0.0003	0.0196	-0.0234	0.0022	-0.0029
		601	0.7348	0.0003	-0.0168	-0.0123	0.0046	-0.0029
932	1	601	-0.1473	0.0005	0.0100	-0.0214	-0.0104	-0.0064
		113	-0.1775	0.0005	-0.0063	-0.0112	-0.0077	-0.0064
	2	601	-0.6325	0.0065	0.0206	-0.0436	-0.0243	-0.0031
		113	-0.6628	0.0065	0.0043	0.0272	0.0125	-0.0031
933	1	114	-0.0064	0.0045	-0.0032	0.0298	0.0128	0.0015
		602	0.0239	0.0045	-0.0194	-0.0342	-0.0126	0.0015
	2	114	-0.5574	0.0002	0.0041	-0.0040	-0.0063	0.0038
		602	-0.5272	0.0001	-0.0121	-0.0267	-0.0054	0.0038
934	1	602	-0.1570	0.0012	0.0176	-0.0191	0.0032	0.0015
		11	-0.1872	-0.0012	-0.0188	-0.0237	-0.0065	0.0015
	2	602	0.5385	0.0035	0.0149	-0.0062	0.0149	0.0025
		11	0.5082	0.0035	-0.0215	-0.0323	-0.0123	0.0025
935	1	11	-1.2260	0.0023	0.0175	-0.0255	0.0081	0.0052
		603	-1.1958	0.0023	-0.0189	-0.0311	-0.0097	0.0052
	2	11	-0.4525	0.0028	0.0204	-0.0296	-0.0007	0.0021
		603	-0.4222	0.0028	-0.0160	-0.0122	0.0210	0.0021
936	1	603	0.8011	-0.0030	0.0063	0.0050	0.0185	0.0006
		115	0.7709	0.0030	-0.0100	-0.0056	0.0014	0.0006
	2	603	0.1616	0.0013	0.0082	-0.0147	-0.0052	-0.0049
		115	0.1314	-0.0013	-0.0081	-0.0145	-0.0127	-0.0049
937	1	116	0.7561	0.0032	0.0102	-0.0061	0.0017	-0.0003
		604	0.7863	0.0032	-0.0061	0.0055	0.0198	-0.0003
	2	116	0.6869	-0.0029	0.0001	0.0255	0.0210	-0.0004
		604	0.7172	-0.0029	-0.0162	-0.0202	0.0045	-0.0004
938	1	604	-1.1749	0.0023	0.0189	-0.0311	-0.0106	-0.0054
		12	-1.2051	0.0024	-0.0175	-0.0256	0.0078	-0.0054
	2	604	-1.0942	0.0017	0.0184	-0.0259	-0.0142	0.0000
		12	-1.1244	0.0017	-0.0181	-0.0247	-0.0009	0.0000
939	1	12	-0.2592	0.0014	0.0189	-0.0239	-0.0063	-0.0015
		605	-0.2290	0.0014	-0.0176	-0.0189	0.0047	-0.0015
	2	12	-1.3413	-0.0025	0.0171	-0.0227	0.0105	0.0045
		605	-1.3112	0.0025	-0.0194	-0.0319	-0.0090	0.0045
940	1	605	0.0754	0.0044	0.0196	-0.0347	-0.0143	-0.0016
		117	0.0451	0.0044	0.0034	0.0306	0.0109	-0.0016

	2	605	0.8803	-0.0004	0.0112	-0.0059	0.0083	0.0005
		117	0.8500	-0.0004	-0.0050	0.0118	0.0061	0.0005
941	1	118	-0.1499	-0.0004	0.0065	-0.0115	-0.0077	0.0065
		606	-0.1197	-0.0004	-0.0098	-0.0209	-0.0098	0.0065
	2	118	0.5830	0.0052	0.0136	-0.0205	-0.0052	0.0006
		606	0.6132	0.0052	-0.0027	0.0103	0.0244	0.0006
942	1	606	-0.0473	-0.0060	0.0149	-0.0071	0.0311	-0.0006
		10	-0.0776	-0.0060	-0.0215	-0.0328	-0.0157	-0.0006
	2	606	-0.9733	0.0003	0.0179	-0.0267	-0.0001	-0.0045
		10	-1.0035	0.0003	-0.0185	-0.0293	-0.0023	-0.0045
1001	1	119	-1.1351	-0.0096	0.0314	-0.0871	0.0422	0.0000
		19	-1.1068	-0.0095	0.0009	0.0313	-0.0278	0.0000
	2	119	-1.9011	-0.0028	0.0184	-0.0253	0.0138	0.0000
		19	-1.8727	-0.0028	-0.0120	-0.0018	-0.0066	0.0000
1002	1	120	-0.5537	0.0030	0.0097	0.0172	-0.0223	0.0000
		20	-0.5252	0.0029	-0.0208	-0.0235	-0.0007	0.0000
	2	120	-1.7737	-0.0041	0.0284	-0.0669	0.0108	0.0000
		20	-1.7454	-0.0041	-0.0022	0.0292	-0.0193	0.0000
1003	1	121	2.0114	0.0063	0.0055	0.0191	-0.0270	0.0000
		20	2.0398	0.0062	-0.0250	-0.0524	0.0190	0.0000
	2	121	-0.3323	-0.0063	0.0275	-0.0731	0.0300	0.0000
		20	-0.3040	-0.0063	-0.0030	0.0169	-0.0163	0.0000
1004	1	122	2.0559	0.0024	0.0074	0.0060	-0.0020	0.0000
		21	2.0843	0.0025	-0.0231	-0.0517	0.0161	0.0000
	2	122	0.7349	0.0051	0.0039	0.0344	-0.0242	0.0000
		21	0.7633	0.0051	-0.0265	-0.0484	0.0135	0.0000
1005	1	123	-0.5980	0.0018	0.0102	0.0095	-0.0084	0.0000
		21	-0.5695	0.0019	-0.0202	-0.0272	0.0052	0.0000
	2	123	1.8901	0.0085	0.0008	0.0410	-0.0350	0.0000
		21	1.9186	0.0085	-0.0296	-0.0649	0.0272	0.0000
1006	1	124	-1.1005	-0.0050	0.0291	-0.0744	0.0168	0.0000
		19	-1.0722	-0.0050	-0.0013	0.0274	-0.0197	0.0000
	2	124	1.7811	-0.0003	0.0142	-0.0264	0.0126	0.0000
		19	1.8095	-0.0002	-0.0162	-0.0339	0.0107	0.0000
1007	1	125	-1.2751	0.0087	0.0298	-0.0817	0.0386	0.0000
		25	-1.2468	-0.0087	0.0006	0.0272	-0.0237	0.0000
	2	125	-1.6652	-0.0013	0.0168	-0.0207	0.0084	0.0000
		25	-1.6368	0.0012	-0.0123	-0.0048	-0.0006	0.0000
1008	1	126	-0.5102	0.0023	0.0097	0.0150	-0.0186	0.0000
		26	-0.4817	0.0023	-0.0194	-0.0198	-0.0021	0.0000
	2	126	-1.2587	0.0045	0.0264	-0.0617	0.0132	0.0000
		26	-1.2304	-0.0046	-0.0028	0.0229	-0.0194	0.0000
1009	1	127	1.7261	0.0045	0.0066	0.0144	-0.0206	0.0000
		26	1.7545	0.0044	-0.0226	-0.0432	0.0113	0.0000
	2	127	-0.2362	0.0046	0.0249	-0.0668	0.0266	0.0000
		26	-0.2079	0.0046	-0.0044	0.0069	-0.0064	0.0000
1010	1	128	1.7771	0.0033	0.0069	0.0066	-0.0054	0.0000
		27	1.8055	0.0033	-0.0222	-0.0482	0.0184	0.0000
	2	128	0.6560	0.0053	0.0040	0.0321	-0.0233	0.0000
		27	0.6845	0.0054	-0.0251	-0.0438	0.0151	0.0000
1011	1	129	-0.5618	0.0020	0.0099	0.0104	-0.0103	0.0000
		27	-0.5333	0.0020	-0.0192	-0.0232	0.0038	0.0000
	2	129	1.4928	0.0064	0.0025	0.0346	-0.0287	0.0000
		27	1.5212	0.0064	-0.0266	-0.0519	0.0172	0.0000
1012	1	130	-1.2300	0.0050	0.0280	-0.0711	0.0174	0.0000
		25	-1.2017	0.0051	-0.0012	0.0249	-0.0188	0.0000
	2	130	1.5760	0.0013	0.0127	-0.0226	0.0072	0.0000

		25	1.6043	.0014	-0.0165	-0.0359	0.0168	0.0000
1013	1	131	-0.6412	-.0091	0.0318	-0.0911	0.0422	0.0000
		31	-0.6129	-.0090	0.0037	0.0336	-0.0212	0.0000
	2	131	-1.6491	-.0029	0.0176	-0.0242	0.0140	0.0000
		31	-1.6206	-.0028	-0.0103	0.0016	-0.0059	0.0000
1014	1	132	-0.5330	.0025	0.0084	0.0199	-0.0206	0.0000
		32	-0.5045	.0024	-0.0194	-0.0184	-0.0036	0.0000
	2	132	-1.2312	-.0041	0.0283	-0.0705	0.0148	-0.0001
		32	-1.2029	-.0041	0.0003	0.0299	-0.0141	-0.0001
1015	1	133	1.7433	.0050	0.0045	0.0199	-0.0225	0.0000
		32	1.7717	.0050	-0.0235	-0.0466	0.0126	0.0000
	2	133	-0.2110	-.0025	0.0256	-0.0734	0.0251	0.0000
		32	-0.1827	-.0025	-0.0025	0.0078	0.0077	0.0000
1016	1	134	1.7947	.0041	0.0047	0.0116	-0.0065	0.0000
		33	1.8231	.0042	-0.0232	-0.0532	0.0224	0.0000
	2	134	0.7270	.0092	-0.0007	0.0438	-0.0314	0.0000
		33	0.7555	.0092	-0.0285	-0.0587	0.0331	0.0000
1017	1	135	-0.5737	.0024	0.0083	0.0146	-0.0108	0.0000
		33	-0.5452	.0024	-0.0194	-0.0243	0.0061	0.0000
	2	135	1.4651	.0091	-0.0017	0.0446	-0.0334	-0.0001
		33	1.4936	.0090	-0.0295	-0.0646	0.0301	-0.0001
1018	1	136	-0.5938	-.0075	0.0312	-0.0812	0.0228	0.0000
		31	-0.5655	-.0075	0.0031	0.0391	-0.0299	0.0000
	2	136	1.5996	.0000	0.0129	-0.0249	0.0121	0.0000
		31	1.6279	.0001	-0.0151	-0.0324	0.0122	0.0000
1019	1	137	-0.8727	-.0081	0.0308	-0.0854	0.0373	0.0000
		37	-0.8444	-.0081	0.0041	0.0339	-0.0181	0.0000
	2	137	-1.4592	-.0026	0.0165	-0.0213	0.0117	0.0000
		37	-1.4307	-.0025	-0.0101	0.0005	-0.0059	0.0000
1020	1	138	-0.2922	.0028	0.0070	0.0208	-0.0198	0.0000
		38	-0.2637	.0027	-0.0196	-0.0223	-0.0008	0.0000
	2	138	-1.3289	-.0058	0.0286	-0.0683	0.0168	0.0000
		38	-1.3005	-.0058	0.0019	0.0362	-0.0231	0.0000
1021	1	139	1.6639	.0049	0.0040	0.0191	-0.0208	0.0000
		38	1.6922	.0048	-0.0227	-0.0452	0.0127	0.0000
	2	139	-0.4201	-.0276	0.0405	-0.1125	0.0900	0.0000
		38	-0.3918	-.0275	0.0137	0.0736	-0.0991	0.0000
1022	1	140	1.7118	.0052	0.0036	0.0130	-0.0092	0.0000
		39	1.7402	.0053	-0.0231	-0.0541	0.0267	0.0000
	2	140	0.8956	-.0115	0.0093	0.0173	0.0253	0.0000
		39	0.9241	-.0114	-0.0172	-0.0100	-0.0531	0.0000
1023	1	141	-0.3396	.0035	0.0065	0.0170	-0.0127	0.0000
		39	-0.3111	.0036	-0.0201	-0.0297	0.0115	0.0000
	2	141	1.5281	.0075	-0.0014	0.0419	-0.0294	0.0000
		39	1.5566	.0075	-0.0280	-0.0592	0.0220	0.0000
1024	1	142	-0.8289	-.0088	0.0314	-0.0798	0.0257	0.0000
		37	-0.8006	-.0089	0.0047	0.0439	-0.0349	0.0000
	2	142	1.3923	-.0004	0.0128	-0.0233	0.0106	0.0000
		37	1.4206	-.0002	-0.0139	-0.0269	0.0085	0.0000
1025	1	143	-1.0332	-.0056	0.0320	-0.0912	0.0287	0.0000
		43	-1.0050	-.0055	0.0065	0.0382	-0.0085	0.0000
	2	143	-1.2129	-.0047	0.0177	-0.0260	0.0205	0.0000
		43	-1.1845	-.0046	-0.0076	0.0077	-0.0108	0.0000
1026	1	144	-0.2341	.0075	0.0033	0.0340	-0.0362	0.0000
		44	-0.2055	.0074	-0.0220	-0.0288	0.0136	0.0000
	2	144	-1.1455	-.0123	0.0341	-0.0842	0.0327	0.0000
		44	-1.1172	-.0124	0.0086	0.0593	-0.0503	0.0000

1027	1	145	1.4665	.0045	0.0024	0.0238	-0.0207	0.0000
		44	1.4949	.0044	-0.0231	-0.0457	0.0094	0.0000
	2	145	-0.2345	-.0037	0.0277	-0.0775	0.0212	0.0000
		44	-0.2063	-.0037	0.0021	0.0224	-0.0037	0.0000
1028	1	146	1.5209	.0079	0.0001	0.0191	-0.0117	0.0000
		45	1.5493	.0080	-0.0254	-0.0658	0.0417	0.0000
	2	146	0.8055	.0076	-0.0025	0.0533	-0.0352	0.0000
		45	0.8340	.0076	-0.0278	-0.0484	0.0158	0.0000
1029	1	147	-0.2845	.0008	0.0070	0.0149	-0.0015	-0.0001
		45	-0.2559	.0009	-0.0183	-0.0231	0.0041	-0.0001
	2	147	1.4096	.0015	-0.0006	0.0435	-0.0178	0.0000
		45	1.4380	.0015	-0.0259	-0.0456	-0.0077	0.0000
1030	1	148	-0.9905	-.0148	0.0373	-0.1006	0.0457	0.0000
		43	-0.9622	-.0148	0.0118	0.0640	-0.0537	0.0000
	2	148	1.1173	-.0020	0.0129	-0.0281	0.0199	0.0000
		43	1.1456	-.0018	-0.0125	-0.0267	0.0072	0.0000
1031	1	149	-0.6674	-.0023	0.0281	-0.0790	0.0194	0.0000
		49	-0.6392	-.0022	0.0038	0.0258	0.0045	0.0000
	2	149	-1.1771	-.0057	0.0177	-0.0263	0.0213	0.0000
		49	-1.1486	-.0055	-0.0064	0.0109	-0.0155	0.0000
1032	1	150	-0.2143	.0055	0.0046	0.0288	-0.0312	0.0000
		50	-0.1858	.0054	-0.0194	-0.0197	0.0046	0.0000
	2	150	-1.1502	.0114	0.0318	-0.0778	0.0316	0.0000
		50	-1.1219	-.0115	0.0076	0.0516	-0.0436	0.0000
1033	1	151	1.4918	.0021	0.0033	0.0190	-0.0125	0.0000
		50	1.5202	.0019	-0.0208	-0.0385	0.0008	0.0000
	2	151	-0.3680	.0009	0.0237	-0.0637	0.0062	0.0000
		50	-0.3398	.0009	-0.0007	0.0119	0.0121	0.0000
1034	1	152	1.6023	.0153	-0.0047	0.0243	-0.0222	-0.0001
		51	1.6307	.0155	-0.0289	-0.0859	0.0790	-0.0001
	2	152	0.8317	.0027	0.0014	0.0451	-0.0294	0.0002
		51	0.8603	.0028	-0.0226	-0.0245	-0.0114	0.0002
1035	1	153	-0.3564	.0073	0.0041	0.0160	-0.0103	-0.0002
		51	-0.3279	.0074	-0.0198	-0.0354	0.0379	-0.0002
	2	153	1.3958	-.0060	0.0041	0.0322	-0.0038	0.0001
		51	1.4242	.0061	-0.0199	-0.0193	-0.0434	0.0001
1036	1	154	-0.6196	-.0176	0.0368	-0.0971	0.0526	0.0000
		49	-0.5914	-.0177	0.0125	0.0647	-0.0633	0.0000
	2	154	1.1217	-.0020	0.0121	-0.0239	0.0166	0.0000
		49	1.1501	-.0019	-0.0122	-0.0242	0.0038	0.0000
1037	1	155	-0.7326	-.0014	0.0167	-0.0408	0.0101	0.0000
		55	-0.7102	-.0013	-0.0015	0.0081	0.0013	0.0000
	2	155	-1.1168	-.0026	0.0118	-0.0172	0.0107	0.0000
		55	-1.0943	-.0024	-0.0062	0.0008	-0.0053	0.0000
1038	1	156	-0.1480	.0043	0.0046	0.0121	-0.0194	0.0000
		56	-0.1254	.0042	-0.0134	-0.0161	0.0080	0.0000
	2	156	-1.2347	.0083	0.0203	-0.0446	0.0227	0.0000
		56	-1.2122	.0084	0.0020	0.0270	-0.0310	0.0000
1039	1	157	1.3278	.0008	0.0050	0.0055	-0.0055	0.0000
		56	1.3504	.0006	-0.0132	-0.0208	-0.0010	0.0000
	2	157	-0.1064	.0005	0.0143	-0.0321	0.0022	0.0000
		56	-0.0840	.0005	-0.0040	0.0008	0.0055	0.0000
1040	1	158	1.1612	.0073	0.0012	0.0106	-0.0154	-0.0001
		57	1.1837	.0074	-0.0169	-0.0397	0.0317	-0.0001
	2	158	1.2029	.0032	0.0025	0.0202	-0.0170	0.0001
		57	1.2256	.0032	-0.0155	-0.0214	0.0035	0.0001
1041	1	159	0.3945	.0022	0.0055	0.0053	-0.0054	-0.0001
		57	0.4171	.0022	-0.0125	-0.0173	0.0087	-0.0001

	2	159	1.5108	-[illegible].0035	0.0057	0.0085	0.0027	0.0001
		57	1.5334	-[illegible].0035	-0.0124	-0.0132	-0.0198	0.0001
1042	1	160	-0.7409	-[illegible].0095	0.0215	-0.0522	0.0301	0.0000
		55	-0.7186	-[illegible].0096	0.0033	0.0272	-0.0313	0.0000
	2	160	1.0441	-[illegible].0005	0.0087	-0.0135	0.0066	0.0000
		55	1.0666	-[illegible].0003	-0.0095	-0.0164	0.0040	0.0000
1043	1	161	-0.6981	[illegible].0003	0.0137	-0.0325	0.0052	0.0000
		61	-0.6757	[illegible].0004	-0.0035	-0.0004	0.0075	0.0000
	2	161	-1.0375	-[illegible].0011	0.0104	-0.0144	0.0069	-0.0001
		61	-1.0149	-[illegible].0010	-0.0066	-0.0023	0.0002	-0.0001
1044	1	162	-0.2641	[illegible].0031	0.0055	0.0083	-0.0158	0.0001
		62	-0.2415	[illegible].0030	-0.0115	-0.0103	0.0034	0.0001
	2	162	-0.8985	-[illegible].0086	0.0185	-0.0396	0.0230	0.0000
		62	-0.8760	-[illegible].0087	0.0012	0.0223	-0.0314	0.0000
1045	1	163	1.2685	-[illegible].0003	0.0056	0.0037	-0.0036	0.0000
		62	1.2910	-[illegible].0005	-0.0115	-0.0149	-0.0062	0.0000
	2	163	-0.1169	[illegible].0013	0.0122	-0.0267	0.0005	0.0000
		62	-0.0945	[illegible].0013	-0.0051	-0.0044	0.0086	0.0000
1046	1	164	1.2638	[illegible].0067	0.0014	0.0117	-0.0172	-0.0001
		63	1.2863	[illegible].0068	-0.0158	-0.0334	0.0251	-0.0001
	2	164	0.6523	[illegible].0038	0.0029	0.0147	-0.0140	0.0001
		63	0.6749	[illegible].0038	-0.0141	-0.0207	0.0099	0.0001
1047	1	165	-0.2516	[illegible].0004	0.0070	0.0016	-0.0041	-0.0001
		63	-0.2290	[illegible].0005	-0.0100	-0.0078	-0.0010	-0.0001
	2	165	1.1120	-[illegible].0041	0.0065	0.0037	0.0072	0.0001
		63	1.1345	-[illegible].0042	-0.0105	-0.0089	-0.0187	0.0001
1048	1	166	-0.7381	-[illegible].0083	0.0188	-0.0444	0.0258	0.0000
		61	-0.7157	-[illegible].0084	0.0016	0.0197	-0.0267	0.0000
	2	166	0.9583	[illegible].0004	0.0075	-0.0111	0.0045	0.0000
		61	0.9807	[illegible].0006	-0.0097	-0.0179	0.0076	0.0000
1049	1	167	-0.4647	[illegible].0051	0.0116	-0.0269	-0.0084	0.0000
		67	-0.4423	[illegible].0052	-0.0048	-0.0060	0.0235	0.0000
	2	167	-0.8628	-[illegible].0013	0.0102	-0.0151	0.0097	-0.0001
		67	-0.8402	-[illegible].0011	-0.0059	-0.0020	0.0026	-0.0001
1050	1	168	-0.2292	[illegible].0017	0.0060	0.0108	-0.0182	0.0002
		68	-0.2066	[illegible].0016	-0.0100	-0.0016	-0.0082	0.0002
	2	168	-0.7015	-[illegible].0124	0.0207	-0.0442	0.0303	0.0001
		68	-0.6791	-[illegible].0124	0.0045	0.0335	-0.0460	0.0001
1051	1	169	0.9614	-[illegible].0039	0.0069	0.0021	0.0016	0.0001
		68	0.9839	-[illegible].0041	-0.0093	-0.0054	-0.0231	0.0001
	2	169	0.2103	[illegible].0062	0.0096	-0.0198	-0.0144	0.0000
		68	0.2326	[illegible].0062	-0.0068	-0.0112	0.0238	0.0000
1052	1	170	0.9444	[illegible].0095	-0.0008	0.0128	-0.0184	-0.0001
		69	0.9669	[illegible].0097	-0.0170	-0.0420	0.0406	-0.0001
	2	170	0.3443	[illegible].0063	0.0012	0.0230	-0.0275	0.0001
		69	0.3669	[illegible].0063	-0.0148	-0.0187	0.0114	0.0001
1053	1	171	-0.2209	[illegible].0001	0.0068	-0.0013	0.0032	-0.0002
		69	-0.1982	[illegible].0002	-0.0091	-0.0084	0.0040	-0.0002
	2	171	0.8927	[illegible].0083	0.0081	0.0020	0.0136	0.0001
		69	0.9153	[illegible].0084	-0.0079	0.0025	-0.0377	0.0001
1054	1	172	-0.4982	[illegible].0135	0.0221	-0.0520	0.0377	0.0000
		67	-0.4759	-[illegible].0135	0.0058	0.0337	-0.0453	0.0000
	2	172	0.7884	[illegible].0004	0.0075	-0.0138	0.0101	-0.0001
		67	0.8108	-[illegible].0003	-0.0088	-0.0178	0.0080	-0.0001
1055	1	173	-0.2014	[illegible].0077	0.0085	-0.0169	-0.0175	0.0000
		73	-0.1790	[illegible].0078	-0.0068	-0.0118	0.0291	0.0000
	2	173	-0.7445	[illegible].0054	0.0061	-0.0074	-0.0042	-0.0003

		73	-0.7219	[illegible]0056	-0.0089	-0.0159	0.0290	-0.0003
1056	1	174	-0.2057	-[illegible].0072	0.0118	0.0001	-0.0035	0.0004
		74	-0.1831	-[illegible].0073	-0.0032	0.0262	-0.0471	0.0004
	2	174	-0.7326	-[illegible].0184	0.0229	-0.0465	0.0421	0.0002
		74	-0.7102	-[illegible].0185	0.0076	0.0455	-0.0692	0.0002
1057	1	175	0.9350	-[illegible].0148	0.0126	-0.0099	0.0230	0.0004
		74	0.9575	-[illegible].0150	-0.0026	0.0202	-0.0668	0.0004
	2	175	0.1279	[illegible].0019	0.0106	-0.0181	-0.0093	0.0002
		74	0.1503	[illegible].0020	-0.0048	-0.0008	0.0024	0.0002
1058	1	176	0.8530	[illegible].0195	-0.0067	0.0227	-0.0378	-0.0003
		75	0.8755	[illegible].0196	-0.0219	-0.0635	0.0801	-0.0003
	2	176	0.4183	-[illegible].0031	0.0081	0.0098	-0.0117	0.0003
		75	0.4409	-[illegible].0031	-0.0069	0.0133	-0.0303	0.0003
1059	1	177	-0.0680	[illegible].0057	0.0043	0.0006	-0.0050	-0.0004
		75	-0.0454	[illegible].0058	-0.0106	-0.0184	0.0298	-0.0004
	2	177	0.9138	-[illegible].0196	0.0150	-0.0130	0.0357	0.0003
		75	0.9364	[illegible].0197	-0.0001	0.0320	-0.0828	0.0003
1060	1	178	-0.2554	-[illegible].0141	0.0208	-0.0483	0.0401	0.0000
		73	-0.2330	-[illegible].0142	0.0055	0.0309	-0.0453	0.0000
	2	178	0.7050	[illegible].0069	0.0024	-0.0035	-0.0058	-0.0003
		73	0.7274	[illegible].0071	-0.0129	-0.0351	0.0366	-0.0003
1061	1	179	-0.2555	[illegible].0060	0.0097	-0.0217	-0.0115	0.0000
		79	-0.2331	[illegible].0061	-0.0046	-0.0069	0.0242	0.0000
	2	179	0.0704	[illegible].0054	0.0059	-0.0041	-0.0113	-0.0003
		79	0.0929	[illegible].0056	-0.0081	-0.0105	0.0211	-0.0003
1062	1	180	0.9530	-[illegible].0029	0.0083	0.0021	-0.0049	0.0004
		80	0.9757	-[illegible].0030	-0.0057	0.0097	-0.0223	0.0004
	2	180	-0.5702	[illegible].0377	0.0343	-0.0583	0.0642	0.0008
		80	-0.5477	-[illegible].0378	0.0200	0.1019	-0.1588	0.0008
1063	1	181	0.3122	-[illegible].0091	0.0088	-0.0044	0.0153	0.0003
		80	0.3347	[illegible].0093	-0.0054	0.0055	-0.0388	0.0003
	2	181	0.2684	[illegible].0182	0.0208	-0.0332	0.0213	0.0008
		80	0.2908	[illegible].0182	0.0064	0.0470	-0.0863	0.0008
1064	1	182	0.3999	[illegible].0130	-0.0036	0.0214	-0.0330	-0.0002
		81	0.4224	[illegible].0133	-0.0177	-0.0416	0.0447	-0.0002
	2	182	1.0038	[illegible].0048	0.0021	0.0179	-0.0221	0.0003
		81	1.0264	[illegible].0048	-0.0119	-0.0110	0.0061	0.0003
1065	1	183	0.6582	[illegible].0014	0.0056	0.0026	-0.0055	-0.0003
		81	0.6808	[illegible].0016	-0.0083	-0.0054	0.0034	-0.0003
	2	183	0.7794	[illegible].0128	0.0098	-0.0056	0.0278	0.0002
		81	0.8020	[illegible].0129	-0.0042	0.0109	-0.0481	0.0002
1066	1	184	-0.3052	[illegible].0126	0.0198	-0.0453	0.0341	0.0000
		79	-0.2828	[illegible].0127	0.0055	0.0294	-0.0405	0.0000
	2	184	-0.0760	[illegible].0036	0.0041	-0.0047	-0.0027	-0.0003
		79	-0.0536	[illegible].0039	-0.0101	-0.0226	0.0194	-0.0003
1067	1	185	-0.8323	[illegible].0055	0.0087	-0.0169	-0.0116	0.0000
		85	-0.8099	[illegible].0056	-0.0046	-0.0049	0.0208	0.0000
	2	185	-0.2752	[illegible].0051	0.0058	0.0012	-0.0221	-0.0001
		85	-0.2526	[illegible].0053	-0.0072	-0.0029	0.0080	-0.0001
1068	1	186	0.1523	[illegible].0009	0.0069	-0.0049	0.0044	0.0002
		86	0.1749	[illegible].0010	-0.0060	-0.0022	-0.0011	0.0002
	2	186	-0.5637	[illegible].0330	0.0307	-0.0527	0.0595	0.0010
		86	-0.5412	-[illegible].0332	0.0174	0.0865	-0.1322	0.0010
1069	1	187	0.5242	[illegible].0064	0.0074	-0.0080	0.0200	0.0001
		86	0.5467	[illegible].0066	-0.0058	-0.0034	-0.0176	0.0001
	2	187	-1.8501	-[illegible].0182	0.0219	-0.0330	0.0225	0.0010
		86	-1.8277	-[illegible].0182	0.0085	0.0548	-0.0831	0.0010

1070	1	188	0.5013	.0083	-0.0005	0.0164	-0.0268	-0.0001
		87	0.5238	.0085	-0.0137	-0.0245	0.0217	-0.0001
	2	188	0.6066	.0093	-0.0007	0.0188	-0.0286	0.0001
		87	0.6292	.0093	-0.0136	-0.0226	0.0255	0.0001
1071	1	189	0.2007	- .0014	0.0071	0.0001	-0.0040	-0.0001
		87	0.2233	- .0013	-0.0058	0.0040	-0.0118	-0.0001
	2	189	0.5801	- .0091	0.0085	-0.0084	0.0256	0.0001
		87	0.6027	- .0092	-0.0045	0.0035	-0.0273	0.0001
1072	1	190	-0.8671	- .0121	0.0184	-0.0389	0.0309	0.0000
		85	-0.8447	- .0122	0.0050	0.0289	-0.0393	0.0000
	2	190	0.2256	.0020	0.0045	-0.0009	-0.0067	-0.0001
		85	0.2481	.0022	-0.0088	-0.0133	0.0055	-0.0001
1073	1	191	-0.0385	.0263	0.0154	-0.0253	-0.0375	-0.0117
		91	0.0005	.0265	-0.0061	0.0011	0.1126	-0.0117
	2	191	-0.1922	.0131	0.0144	-0.0175	-0.0304	-0.0298
		91	-0.1530	.0135	-0.0065	0.0051	0.0451	-0.0298
1074	1	192	0.1782	.0022	0.0121	-0.0089	0.0061	0.0188
		92	0.2175	.0020	-0.0086	0.0011	0.0181	0.0188
	2	192	-0.3634	-.0359	0.0160	-0.0265	0.1302	0.0352
		92	-0.3244	-.0362	-0.0053	0.0040	-0.0749	0.0352
1075	1	193	0.3970	-.0192	0.0064	0.0031	0.0392	0.0214
		92	0.4361	-.0196	-0.0147	-0.0205	-0.0711	0.0214
	2	193	0.2092	.0077	0.0123	-0.0150	0.0664	0.0146
		92	0.2481	.0077	-0.0092	-0.0061	0.1100	0.0146
1076	1	194	0.3738	.0132	0.0063	0.0035	-0.0324	-0.0096
		93	0.4129	.0136	-0.0148	-0.0205	0.0435	-0.0096
	2	194	0.6191	.0168	0.0095	-0.0015	-0.0237	0.0054
		93	0.6584	.0168	-0.0112	-0.0062	0.0717	0.0054
1077	1	195	0.2199	-.0090	0.0117	-0.0079	0.0032	-0.0071
		93	0.2592	-.0088	-0.0091	-0.0005	-0.0473	-0.0071
	2	195	0.4425	-.0235	0.0071	0.0036	0.0498	0.0075
		93	0.4816	-.0238	-0.0139	-0.0157	-0.0846	0.0075
1078	1	196	-0.0874	- .0252	0.0155	-0.0254	0.0338	0.0122
		91	-0.0485	- .0253	-0.0060	0.0016	-0.1097	0.0122
	2	196	0.1514	.0099	0.0080	-0.0039	-0.0194	-0.0302
		91	0.1904	.0103	-0.0133	-0.0189	0.0382	-0.0302
1079	1	197	-0.3421	.0151	0.0228	-0.0341	-0.0331	-0.0160
		97	-0.3032	.0153	0.0031	0.0380	0.0516	-0.0160
	2	197	0.5394	.0297	0.0100	-0.0109	-0.0464	-0.0839
		97	0.5786	.0302	-0.0092	-0.0087	0.1208	-0.0839
1080	1	198	0.7817	-.0163	0.0081	-0.0059	0.0237	0.0552
		98	0.8210	-.0166	-0.0110	-0.0139	-0.0682	0.0552
	2	198	-0.2168	-.0196	0.0196	-0.0286	0.0668	0.0314
		98	-0.1778	-.0199	0.0000	0.0259	-0.0436	0.0314
1081	1	199	0.0039	-.0345	0.0066	0.0004	0.0580	0.0635
		98	0.0429	-.0349	-0.0129	-0.0173	-0.1357	0.0635
	2	199	-0.3766	.0046	0.0213	-0.0294	0.0122	0.0044
		98	-0.3377	.0047	0.0015	0.0342	0.0381	0.0044
1082	1	200	-0.1265	.0035	0.0050	0.0039	-0.0309	-0.0263
		99	-0.0874	.0039	-0.0144	-0.0224	-0.0101	-0.0263
	2	200	1.1686	.0093	-0.0015	0.0118	-0.0159	0.0010
		99	1.2079	.0094	-0.0205	-0.0496	0.0364	0.0010
1083	1	201	1.0343	-.0078	0.0007	0.0067	0.0027	-0.0159
		99	1.0736	-.0076	-0.0183	-0.0426	-0.0402	-0.0159
	2	201	0.3612	-.0106	0.0005	0.0113	0.0421	0.0174
		99	0.4004	-.0108	-0.0187	-0.0397	-0.0177	0.0174
1084	1	202	-0.3656	-.0095	0.0221	-0.0327	0.0217	0.0142
		97	-0.3266	.0097	0.0025	0.0359	-0.0320	0.0142

	2	202	-0.5908	1.0273	0.0113	-0.0095	-0.0415	-0.0802
		97	-0.5519	1.0277	-0.0083	-0.0010	0.1118	-0.0802

R E A C T I O N S

(* Indicates Reactions Occur in Nodal Local System)

NODE NO	LOAD COMB	PX	PY	PZ	MX	MY	MZ
Units:		K	K	K	K -Ft	K -Ft	K -Ft
1	1	-0.1885	405.151	-45.8591	-2.7245	-0.0124	0.3604
	2	-13.6976	23.094	-1.5405	0.8673	0.6854	24.9549
2	1	14.3909	-167.983	-19.0439	-16.0957	-0.6301	5.0956
	2	-34.8966	349.327	18.8152	-1.6814	-0.4419	3.1850
3	1	-14.2024	-168.084	-19.2949	-18.0927	0.7511	-5.4096
	2	-34.8150	-303.888	-17.2748	-0.8370	-0.1811	6.7898

H. E. BERGERON ENGINEERS, P.A.
2605 White Mountain Highway, PO Box 440
North Conway, NH 03860
(603) 356-6936

Client: Bell Atlantic Mobile
Job: Bloomfield, CT
Job No.: 2000-043

Calculated By: A. Hall
Date: 26-Jul-00
Checked By:
Date: 7/27/00

Evaluation of Compression Leg Members

Section	Element	Size	area	lu	r_z	Fy	Kl/r_z	Cc
1	1	9x5/8	11.21	60.0	2.172	50	27.6	107.00
2	13	8.5x5/8	10.58	60.0	2.044	50	29.4	107.00
3	25	7.25x5/8	9.022	60.0	1.723	50	34.8	107.00
4	37	7x1/2	6.966	60.0	1.672	50	35.9	107.00
5	49	7x1/2	6.966	60.0	1.672	50	35.9	107.00
6	61	6x1/2	5.967	60.0	1.413	50	42.5	107.00
7	73	5.5x3/8	4.101	60.0	1.29	50	46.5	107.00
8	85	5x3/8	3.73	60.0	1.158	50	51.8	107.00
9	801	4.5x1/4	2.233	80.0	1.033	50	77.4	107.00

Evaluation of Compression Leg Members

Section	Axial Load	fa	1.33 Increase	Capacity
1	355.6	27.44	36.50	87%
2	325	27.23	36.22	85%
3	270.8	26.54	35.29	85%
4	216	26.40	35.11	88%
5	164.2	26.40	35.11	67%
6	115.1	25.48	33.89	57%
7	70.1	24.89	33.10	52%
8	32.3	24.07	32.01	27%
9	11.7	19.52	25.96	20%

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X - Axis

Evaluation of Diagonal Compression Bracing Members

Section	Element	Size	area	lu	r_x	Fy	Kl/r_x	Cc
1-2	306	2 L2.5x3x1/4	2.63	70.8	0.753	36	94.0	126.10
3-5	354	2 L3x3x3/16	2.18	88.0	0.939	36	93.7	126.10
6	421	2 L2.5x2.5x3/16	1.8	77.0	0.778	36	99.0	126.10
7	447	2 L2x2.5x3/16	1.62	73.9	0.6	36	123.2	126.10
8	469	2 L2x2x3/16	1.43	70.8	0.617	36	114.7	126.10
9	810	L3x3x3/16	1.09	74.5	0.596	36	125.0	126.10

Member Capacity

Section	Axial Load	fa	1.33 Increase	Capacity
1-2	29.7	13.72	18.25	62%
3-5	20.2	13.76	18.30	51%
6	15.8	13.10	17.42	50%
7	14.5	9.82	13.06	69%
8	10.4	11.02	14.66	50%
9	4.1	9.55	12.70	30%

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Calculated By: A. Hall
Checked By: [illegible]
Date: 26-Jul-00
Date: 7/27/00

Y-Axis

Evaluation of Diagonal Compression Bracing Members

Section	Element	Size	area	lu	r_y	Fy	Kl/r_y	Cc
1	306	2 L2.5x3x1/4	2.63	141.6	1.45	36	97.7	126.10
2	354	2 L3x3x3/16	2.18	175.9	1.38	36	127.5	126.10
3	421	2 L2.5x2.5x3/16	1.8	154.1	1.18	36	130.6	126.10
4	447	2 L2x2.5x3/16	1.62	147.8	1.24	36	119.2	126.10
5	469	2 L2x2x3/16	1.43	141.6	0.977	36	144.9	126.10
6	810	L3x3x3/16	1.09	149.0	0.82	36	181.8	126.10
7							#DIV/0!	#DIV/0!
8							#DIV/0!	#DIV/0!
9							#DIV/0!	#DIV/0!
10							#DIV/0!	#DIV/0!

Member Capacity

Section	Axial Load	fa	1.33 Increase	Capacity
1	29.7	13.27	17.65	64%
2	20.2	9.19	12.22	76%
3	15.8	8.76	11.65	75%
4	14.5	10.39	13.82	65%
5	10.4	7.11	9.45	77%
6	4.1	4.52	6.01	63%
7		#DIV/0!	#DIV/0!	#DIV/0!
8		#DIV/0!	#DIV/0!	#DIV/0!
9		#DIV/0!	#DIV/0!	#DIV/0!
10		#DIV/0!	#DIV/0!	#DIV/0!

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X - AXIS

Evaluation of Horizontal Compression Bracing Members

Section	Element	Size	area	lu	r_x	Fy	Kl/r_x	Cc
1	505	2 L2x2.5x3/16	1.62	69.7	0.6	36	116.2	126.10
2	511	2 L3x3x3/16	2.18	133.9	0.939	36	142.6	126.10
3-4	523	2 L3x3x3/16	2.18	123.4	0.939	36	131.4	126.10
5	547	2 L2.5x2.5x3/16	1.80	102.0	0.778	36	131.1	126.10
6	558	2 L2x2x3/16	1.43	91.3	0.617	36	148.0	126.10
7	568	2 L2x2x1/8	0.96	80.6	0.626	36	128.8	126.10
8	580	2 L1.75x1.75x1/8	0.83	70.1	0.537	36	130.5	126.10
9	838	L3.5x3x1/4	1.56	108.0	0.631	36	171.2	126.10

Evaluation of Horizontal Compression Bracing Members

Section	Axial Load	fa	1.33 Increase	Capacity
1	16.9	10.82	14.39	72%
2	16.0	7.34	9.76	75%
3-4	15.0	8.65	11.51	60%
5	12.7	8.69	11.55	61%
6	10.8	6.82	9.07	83%
7	9.1	9.00	11.97	79%
8	6.7	8.77	11.66	69%
9	0.4	5.10	6.78	4%

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Y-AXIS

Evaluation of Horizontal Compression Bracing Members

Section	Element	Size	area	lu	r_y	Fy	Kl/r_y	Cc
1	505	2 L2x2.5x3/16	1.62	139.4	1.24	36	112.5	126.10
2	511	2 L3x3x3/16	2.18	133.9	1.38	36	97.0	126.10
3-4	523	2 L3x3x3/16	2.18	123.4	1.38	36	89.4	126.10
5	547	2 L2.5x2.5x3/16	1.80	102.0	1.18	36	86.4	126.10
6	558	2 L2x2x3/16	1.43	91.3	0.977	36	93.5	126.10
7	568	2 L2x2x1/8	0.96	80.6	0.965	36	83.6	126.10
8	580	2 L1.75x1.75x1/8	0.83	70.1	0.828	36	84.7	126.10
9	838	L3.5x3x1/4	1.56	108.0	0.631	36	171.2	126.10

Member Capacity

Section	Axial Load	fa	1.33 Increase	Capacity
1	16.9	11.34	15.08	69%
2	16.0	13.35	17.75	41%
3-4	15.0	14.28	18.99	36%
5	12.7	14.62	19.45	36%
6	10.8	13.79	18.34	41%
7	9.1	14.95	19.89	48%
8	6.7	14.83	19.72	41%
9	0.4	5.10	6.78	4%

H. E. BERGERON ENGINEERS P.A.
2605 White Mountain Highway, PO Box 440
North Conway, NH 03860
(603) 356-6936

Client: Bell Atlantic Mobile
Job: Bloomfield, CT
Job No.: 2000-043

Calculated By: A. Hall
Date: 26-Jul-00
Checked By:
Date: 7/27/00

Evaluation of Leg Splice Bolts

Section	Axial Load	Bolt Size	Number	Allowable Shear Per Bolt	Allowable Shear	1.33 Increase	Capacity
1	355.6	3/4	13	15.00	270.00	359.10	99%
2	325	3/4	13	15.00	270.00	359.10	91%
3	270.8	3/4	13	15.00	270.00	359.10	75%
4-5	216	3/4	11	15.00	210.00	279.30	77%
6	115.1	3/4	10	15.00	150.00	199.50	58%
7	70.1	3/4	10	15.00	150.00	199.50	35%
8	32.3	3/4	8	15.00	90.00	119.70	27%
9	11.7	3/4	8	15.00	90.00	119.70	10%

				Allowable Tension Per Bolt	Allowable Tension		
AB	355.6	1 1/2	8	35.30	282.40	375.59	95%

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Client: **Bell Atlantic Mobile**
Job: **Bloomfield, CT**

Job No.: **2000-043**

Calculated By: **A. Hall**
Checked By: MH

Date: **26-Jul-00**
Date: 1/27/00

Evaluation of Diagonal Connection Bolts

Section	Axial Load	Bolts Size	Number	Single/Double Shear	Allowable Shear Per Bolt	Allowable Shear	1.33 Increase	Capacity
1-2	29.7	3/4	2	Double	15.0	30.00	39.90	74%
3-5	20.2	3/4	2	Double	15.0	30.00	39.90	51%
6	15.8	3/4	2	Double	15.0	30.00	39.90	40%
7	14.5	3/4	1	Double	15.0	15.00	19.95	73%
8	10.4	3/4	1	Double	15.0	15.00	19.95	52%
9	4.1	3/4	1	Single	7.51	7.51	9.99	41%

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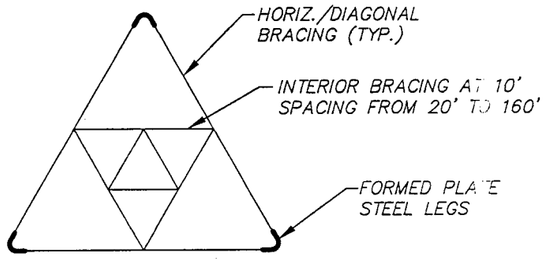
Client: **Bell Atlantic Mobile**
Job: **Bloomfield, CT** Job No.: **2000-043**

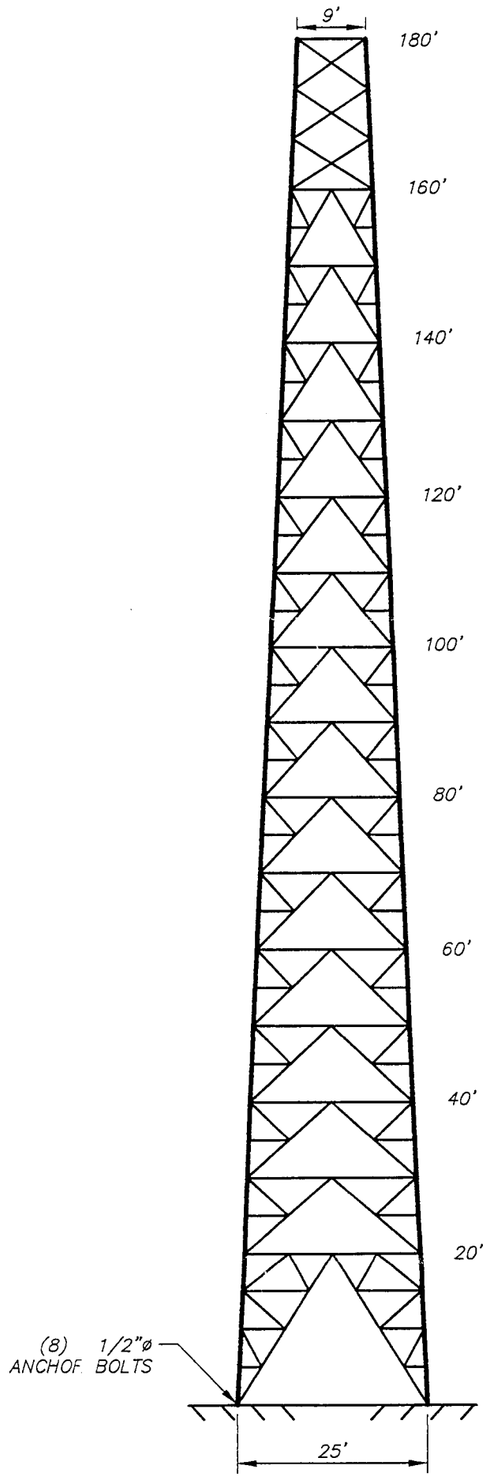
Calculated By: **A. Hall** Date: **27-Jul-00**
Checked By: Date: 7/28/00

Evaluation of Horizontal Connection Bolts

Section	Axial Load	Bolt Size	Number	Single/Double Shear	Allowable Shear Per Bolt	Allowable Shear	1.33 Increase	Capacity
1	16.9	3/4	2	Double	15.0	30.00	39.90	42%
2	16.0	3/4	1	Double	15.0	15.00	19.95	80%
3-4	15.0	3/4	1	Double	15.0	15.00	19.95	75%
5	12.7	3/4	1	Double	15.0	15.00	19.95	64%
6	10.8	3/4	1	Double	15.0	15.00	19.95	54%
7	9.1	3/4	1	Double	15.0	15.00	19.95	46%
8	6.7	3/4	1	Double	15.0	15.00	19.95	34%
9	0.4	3/4	1	Single	7.51	7.51	9.99	4%



TYP. CROSS-SECTION



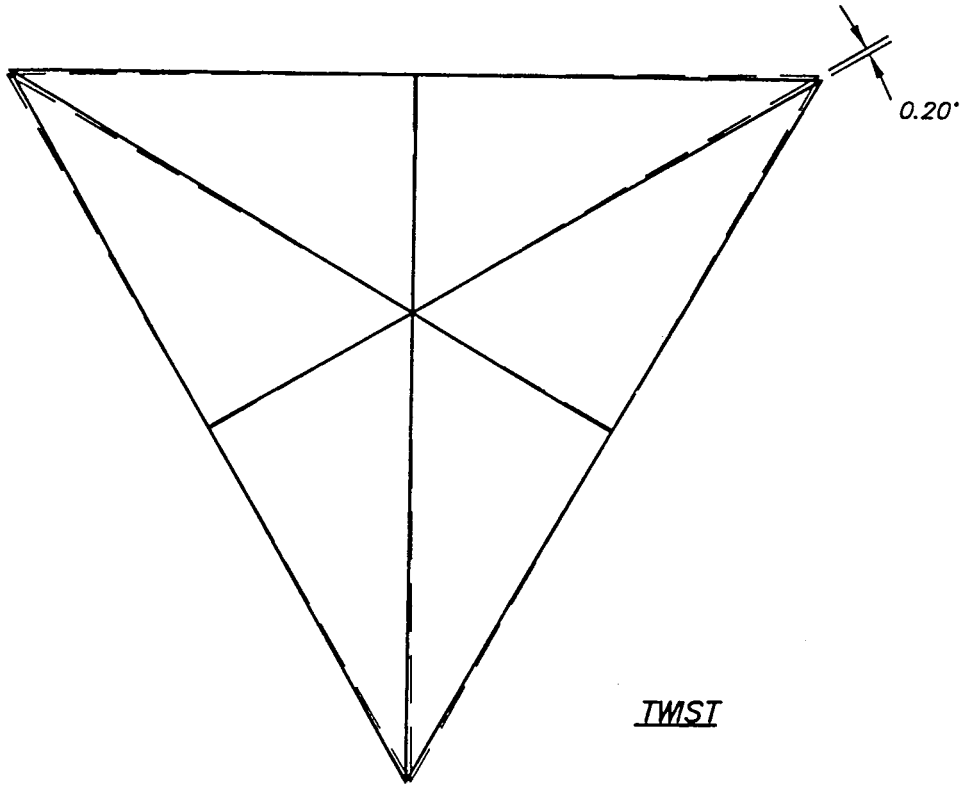
LEGS	9" x 5/8"	8.5" x 5/8"	7.25" x 5/8"	7" x 1/2"	6" x 1/2"	5.5" x 3/8"	5" x 3/8"	4.5" x 1/4"
DIAGONALS	2L 2.5 x 3 x 1/4		2L 3 x 3 x 3/16		2L2.5x2.5x3/16	2L 2x 2.5x3/16	2L 2x 2 x3/16	L3 x 3 x 3/16
HORIZ.	2L 2x2.5x3/16	2L 3x3x3/16	2L 3x2x3/16	2L2.5x2.5x3/16	2L 2x 2x 3/16	2L 2x 2x 1/8	2L1.75x1.75x1/8	L3.5 x 3 x 1/4
SUB-DIAG.	2L 2x2x1/8	L2.5x2.5x3/16			L2 x 2 x 3/16		2L1.75x1.75x1/8	N.A.
SUB-HORIZ.	2L 2x2x1/8	L2.5x2.5x3/16	L1.75x1.75x3/16	L2 x 2 x 3/16	L1.75 x 1.75 x 1/8			N.A.
SPLICE BOLTS	(18) 3/4"	(14) 3/4"	(10) 3/4"			(6) 3/4"		

H.EDMUND BERGERON
CIVIL ENGINEERS, P.A.
NORTH CONWAY, N.H.
(603) 356-6936

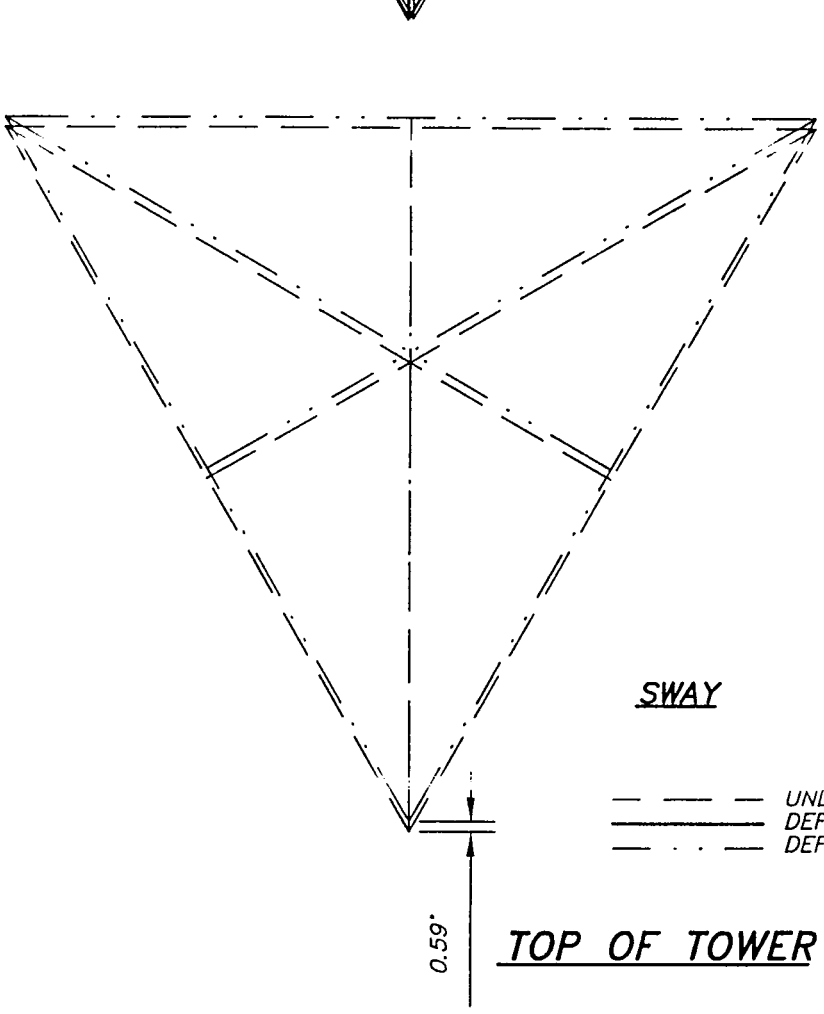
180' ANDREW 3ST TOWER
BLOOMFIELD, CT
prepared for
Bell Atlantic Mobile

FIGURE 1

DRAWN: REA SCALE: 1" = 20'
DATE: 27 MAR 00 PROJ. #2000-043



TWIST

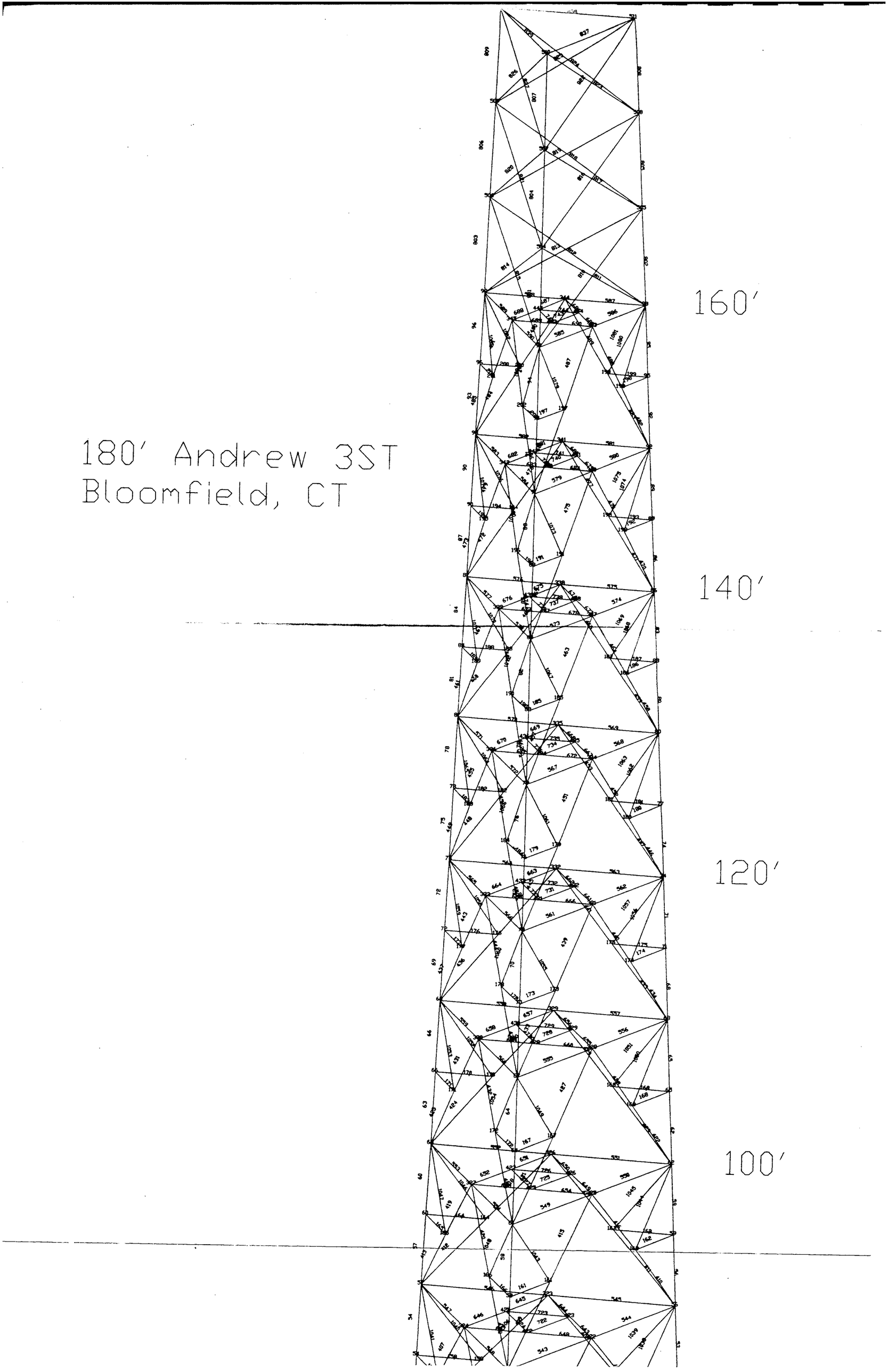


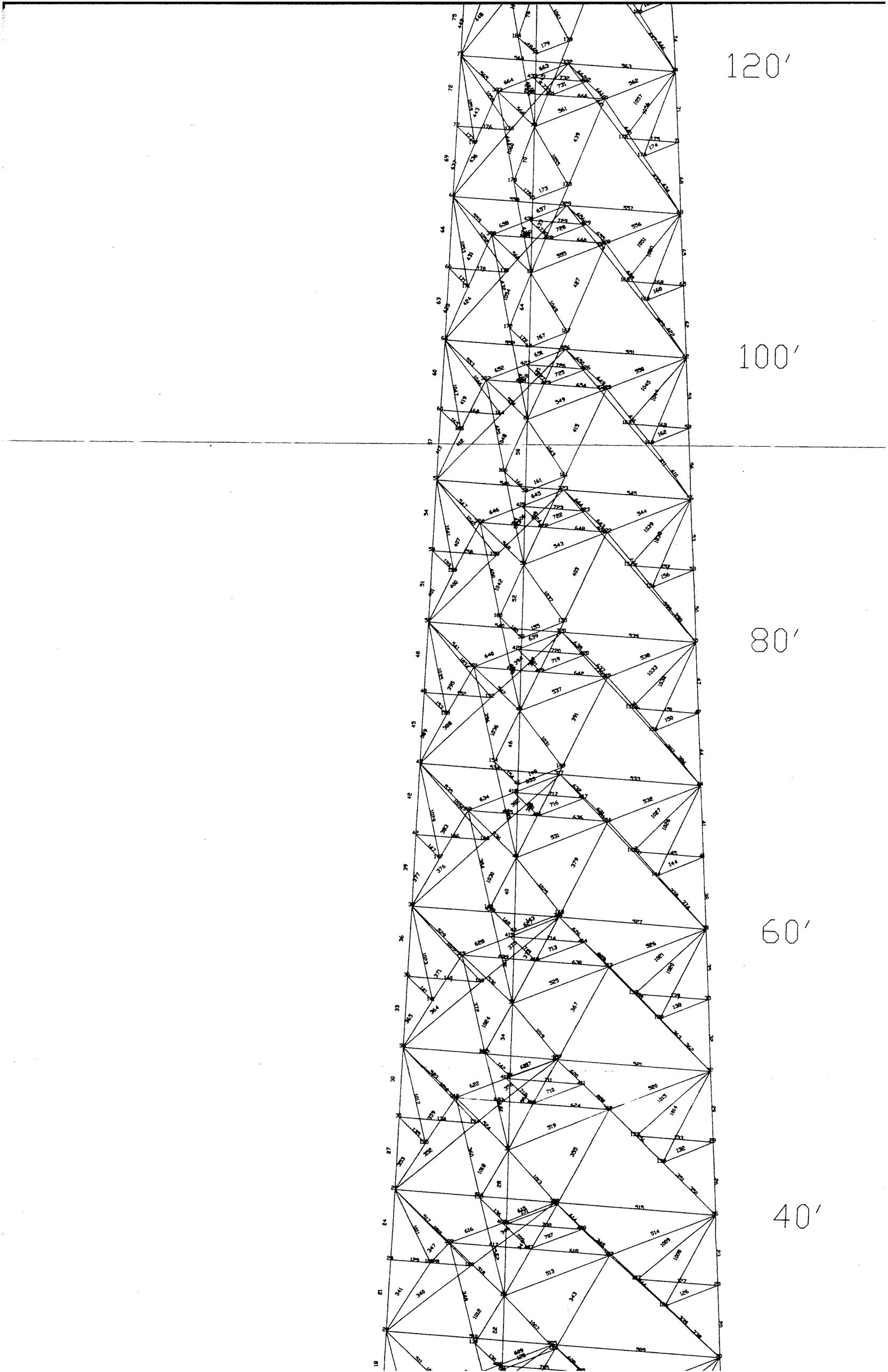
TOP OF TOWER

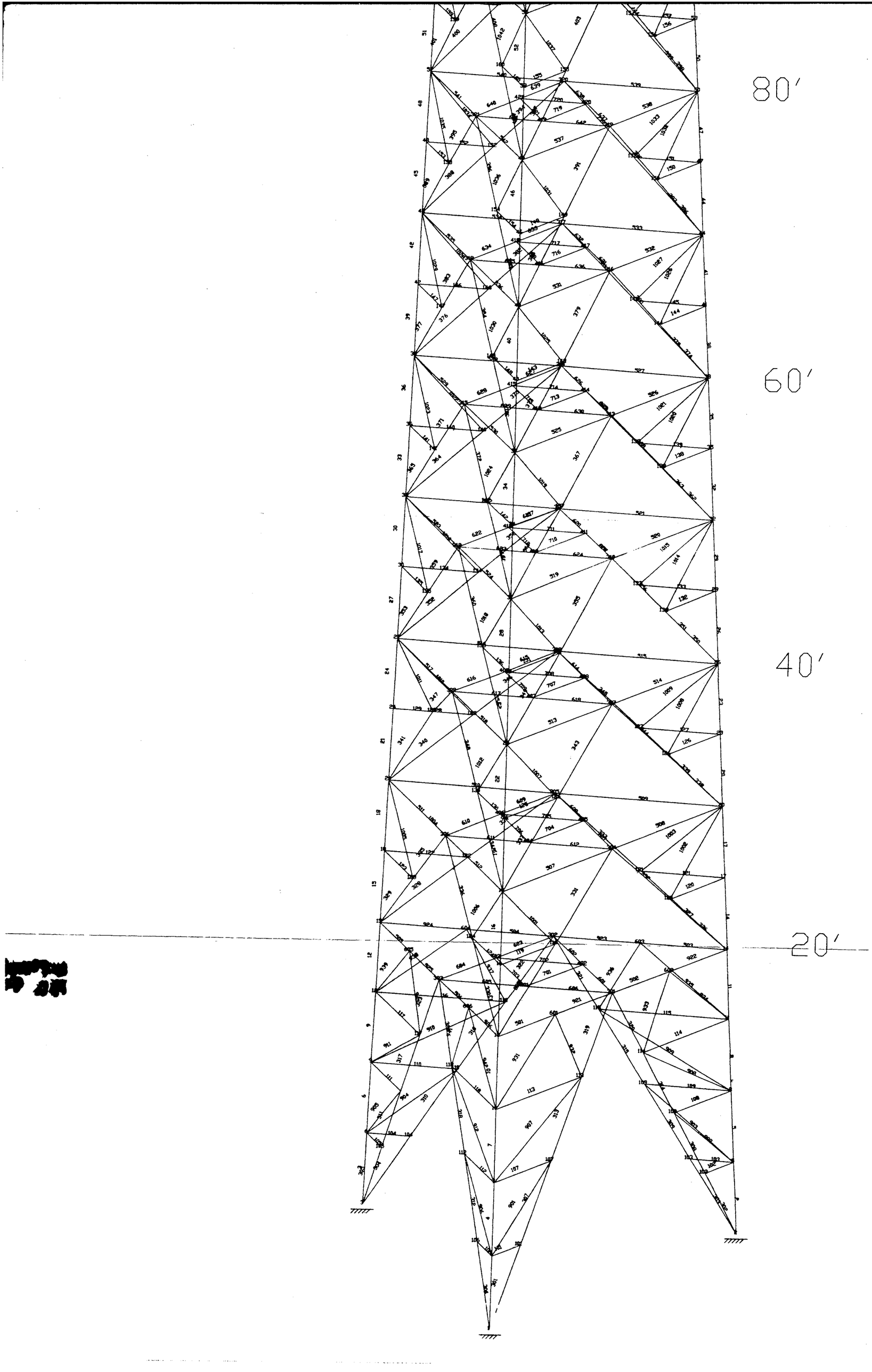
Plotted: 7/28/00, 9:33

HEB H.E. BERGERON ENGINEERS, P.A. NORTH CONWAY, N.H. (603) 356-6936	TWIST & SWAY EVALUATION BLOOMFIELD, CONNECTICUT prepared for VERIZON WIRELESS	FIGURE 2 DRWN: REA SCALE: N.T.S. DATE: 28 JUL 00 PROJ #: 2000-043

180' Andrew 3ST
Bloomfield, CT




120′
100′
80′
60′
40′


80′
60′
40′
20′