CRWMS/M&O

Design Analysis Cover Sheet

Complete only applicable items.

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QA: L

Page: 1 Of: 24

2. DESIGN ANALYSIS TITLE			
ESF/Repository Interface Layout Coordinate Geometry Analysis			
3. DOCUMENT IDENTIFIER (Including Rev. No.)		4. REV. NO.	5. TOTAL PAGES
B00000000-01717-0200-00125 Rev 00		00	24
6. TOTAL ATTACHMENTS	7. ATTACHMENT NUMBERS - NO. OF PAGES IN EACH		8. SYSTEM ELEMENT
5	I-32, II-22, III-41, IV-39, V-26		MGDS
	Print Name	Signature	Date
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14. REMARKS			
TBV-176, concerning classification of Repository SSCs, is carried in this document (Page 3)			
TBV-081-MGD, concerning the configuration of certain portions of the ESF, is carried in this document (Page 3)			
TBV-079-DD, concerning the repository layout, is carried in this document. (Page 3)			

Design Analysis Revision Record*Complete only applicable items.*

①.

QA: L

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2. DESIGN ANALYSIS TITLE		
ESF/Repository Interface Layout Coordinate Geometry Analysis		
3. DOCUMENT IDENTIFIER (Including Rev. No.)		4. REVISION NO.
B00000000-01717-0200-00125 Rev 00		00
5. Revision No.	6. Total Pages	7. Description of Revision
00	24, plus 160 in five attachmments	Initial Issue

1. PURPOSE

The purpose of this analysis is to produce coordinate geometry calculations sufficient to establish the position of the conceptual Geologic Repository Operations Area (GROA) as it relates to the position of the Exploratory Studies Facility (ESF) planned exploratory drifting and the physical site. The focus of this analysis is to show the mathematical validity of the arrangement. The documentation which supports the development of the configuration can be found in References 5.3 and 5.4.

This analysis supports the production of the ESF / GROA Interface drawings which are used by the Project to demonstrate and control the physical interfaces between the ESF and Repository.

2. QUALITY ASSURANCE

Evaluations of repository Advanced Conceptual Design (ACD) design activities were performed in accordance with QAP-2-0. This activity was covered in the evaluation entitled "Repository Design Basis Accident and Design Analyses," BC0000000-01717-2200-00011 Rev 00 (Ref 5.1). The activity was found to be subject to QARD requirements, and the primary QAP utilized was 3-9. Refer to the evaluation for a complete listing of the applicable QAPs.

Classification, in accordance with QAP-2-3, of repository systems, structures, and components (SSCs) has not yet been performed. The repository underground openings are on the Q-List by direct inclusion. TBV-176 is assigned to this analysis until the appropriate repository classification analyses are performed. ESF openings have been classified as QA-2 by analysis (Ref 5.10).

The ESF configuration is not fixed, due to programmatic uncertainty and unresolved issues regarding access to, and exploration in, the Calico Hills unit. For these reasons, "To Be Verified" (TBV) numbers have been attached to this analysis, and TBV-081-MGD is assigned until the ESF configuration is fixed. These TBV numbers were acquired, and will be controlled, including removal, in accordance with NLP-3-15.

The repository configuration depicted in this analysis carries TBV-079-DD. This TBV was originally assigned to a repository design document, "Recommended Layout Concepts Report" (Ref 5.4). The TBV will be carried until repository License Application Design is completed using qualified data.

3. METHOD

Standard trigonometric calculations were employed to establish the location of various points in the GROA layout. All subsurface calculations are in metric units.

4. DESIGN INPUTS

4.1 Design Parameters

The primary inputs for this analysis are given below. For the upper, or primary repository block, the input is the location of a point at the lower end of the North Ramp which defines the end of the ramp and the beginning of the ESF Topopah Spring Main Drift. This point is described as the North Ramp Point of Tangency/Vertical Point of Intersection (PT/VPI). For the lower block, the input point (elevation only) is the point of intersection of the northern-most emplacement drift with the eastern-most of the two main drifts. The North Ramp PT/VPI is shown on Figures 7-1 and 7-2 as C8. The lower block point is shown on Figures 7-3 and 7-4 as H1. The upper block point information is taken from an ESF Design Analysis "ESF Layout Calculation," BABEAD000-01717-0200-00003 Rev 03 (Ref 5.5). The lower block point elevation can be found on ESF / GROA interface drawing BC0000000-01717-2100-89102 Rev 00. (Ref 5.9)

Point	Northing	Easting	Invert Elevation
North Ramp PT/VPI [C8]	234,087.742	171,313.778	1065.0
Lower Block Design Point [H1]	233702.003*	171563.932*	998.00

* Only the elevation is an input. The Coordinates were calculated below (Table 7-3).

The process of providing layout design input between ESF and GROA design efforts is as follows. The GROA design organization provides the ESF design team with approximate locations and general guidance on the location of the ESF ramps and main drift (Ref 5.2). The ESF design team uses that guidance to produce detailed

coordinate geometry information for use in the construction of the ESF. The GROA designers, in turn, use the precise point locations developed by the ESF team as points of reference from which to locate the conceptual GROA layout in the area (i.e.; the upper block) where close integration is most critical.

4.2 Criteria

A quantitative requirement governing the physical configuration of the GROA layout is found in 10 Code of Federal Regulations (CFR) 960 (Ref 5.8). In that body of regulation, under Subpart C - "Postclosure Guidelines," Section 960.4-2-5 (d) reads:

- (d) ***Disqualifying Condition.*** *The site shall be disqualified if site conditions do not allow all portions of the underground facility to be situated at least 200 meters below the directly overlying ground surface."*

Under Section 960.2 "Definitions," the Underground Facility is defined as follows:

"Underground Facility" *means the underground structure and the rock required for support, including mined openings and backfill materials, but excluding shafts, boreholes, and their seals."*

Though the term "Ramps" is not specifically called out, it has been assumed by the project that the term "Shaft" in the regulatory sense encompasses ramps.

All other "bounding criteria" are assumptions generated by the repository designers.

4.3 Assumptions

The assumptions which, taken together with the 200 meter cover criteria discussed above, bound and shape the GROA layout are listed below. The rationale for those assumptions which are cited as residing in the Controlled Design Assumptions (CDA) document can be found in that document. All controlled assumptions will require substantiation as discussed in Section 2.5 of the Controlled Design Assumption (CDA) Document. (Ref 5.6)

- 4.3.1 "Integrated rail transport will be used for subsurface transport of waste packages." This is Key Assumption 010 in the Controlled Design

Assumptions (CDA) document, Ref 5.6.

- 4.3.2 "Surface, subsurface, and waste package/Engineered Barrier System (EBS) designs will be robust and flexible and will accommodate a range of thermal loads from about 20 to about 100 Metric Tons Uranium (MTU)/acre." (Key 019, CDA)
- 4.3.3 "Repository horizon will be located mainly in the TSw2 geologic unit. Primary area is currently being used in design. Emplacement in the expansion areas will be evaluated." (Key 022, CDA)
- 4.3.4 "To the extent practical, repository openings shall be located to avoid faults that traverse a major portion of the potential emplacement area.
- "Avoidance is assumed to be adequate by using a 60-m offset from the main trace of a fault at the repository level. (Exception: 120-m offset should be used on the West side of the Ghost Dance Fault because the ESF Topopah Spring Main drift will be excavated before the Ghost Dance Fault characteristics are fully investigated.)
- "Where avoidance cannot be achieved, for Type I faults that intersect emplacement drifts, allow 15-m stand-off distance of emplaced waste packages from the edges of the fault zone." (Key 023, CDA)
- 4.3.5 "The primary method of tunnel excavation will be mechanical" (Key 027, CDA)
- 4.3.6 "Rail will be used for transporting supplies and personnel to the extent practical." (Key 030, CDA)
- 4.3.7 "Repository layout orientation:
- o Orientation of emplacement drifts will be at least 30 degrees from dominant joint orientations. Using the latest information on joint orientations, the emplacement drift orientation will generally fall between N70W and S75W.
 - o Orientation of maintainable access drifts, mains, ramps, etc. will be as needed to complement emplacement drift orientation, generally

forming intersections of 70-90 degrees where practicable." (Design Concept Subsurface (DCSS) 001, CDA)

4.3.8 "The crown of an underground excavation at any given location within the repository block will be: (1) no higher than the contact between the TSw1 and TSw2 thermal/mechanical units at that location, and (2) at least 5 m below rock strata containing significantly greater than 10% lithophysal cavities at that location." (DCSS 003, CDA)

4.3.9 "Drift excavation methods:

- o Primary: Tunnel Boring Machine (TBM)
- o Secondary: roadheader, special alcove miner, and drill-and-blast where mechanical methods are impractical." (DCSS 005, CDA)

4.3.10 "Maximum grade in ramps: $\leq 3\%$ to accommodate trains

"Maximum grade in mains: minimize, but $\leq 2\%$ in mains used for emplacement drift access.

"Maximum grade in emplacement drifts: minimize within 0.25 to 0.75% for drainage." (DCSS 009, CDA)

Note: The grade is assumed to be accomplished within each emplacement drift by having a high point at the mid-point of the drift from which the drift slopes gently downward to each end. This results in the elevation at the opposite ends of the drift being equal. Thus, it is assumed for the purposes of calculating elevations in the main drifts that the emplacement drifts are flat.

4.3.11 "Maximum allowable temperature within Calico Hills nonwelded unit (CHn): 115°C ." (DCSS 025, CDA)

This thermal goal has been translated into a physical standoff distance (30 meters from the TSw3) which was used to define the boundary of the GROA layout. This is discussed in Ref 5.3, Chapter 8, p. 8-79.

4.3.12 "Where it is impractical to use mechanical methods [of excavation], drill and blast may be used to a limited degree primarily in non-emplacement areas of the repository. (CDA Key 028)

4.3.13 "Repository material handling equipment:

- o Supplies: Rail transport
- o Excavated Rock: conveyor belt, or conveyor belt variation preferred when practical." (DCSS 010)

4.4 Codes and Standards

Code of Federal Regulations (CFR), Volume 10, *Energy*, Part 960, General Guidelines for the Recommendation of Sites for Nuclear Waste Repositories, December 6, 1984. [960.4-2-5 (d)]

5. REFERENCES

- 5.1 CRWMS M&O, QAP-2-0 Evaluation, "Repository Design Basis Accident and Design Analyses," BC0000000-01717-2200-00011 Rev. 00.
- 5.2 CRWMS M&O, Memo, Bhattacharyya to Kennedy, Design Input Transmittal, July 28, 1995.
- 5.3 CRWMS M&O, "Initial Summary Report for Repository/Waste Package Advanced Conceptual Design," B00000000-01717-5705-00015 Rev 00.
- 5.4 CRWMS M&O, Recommended Layout Concepts Report, BCAA00000-01717-5705-00001 Rev 00.
- 5.5 CRWMS M&O, "ESF Layout Calculation," BABEAD000-01717-0200-00003 Rev 03.
- 5.6 CRWMS M&O, "Controlled Design Assumptions Document," B00000000-01717-4600-00032 Rev 01.

- 5.7 CRWMS M&O, "Definition of the Potential Repository Block," BC0000000-01717-5705-00009 Rev 00.
- 5.8 Code of Federal Regulations (CFR), Volume 10, *Energy*, Part 960, General Guidelines for the Recommendation of Sites for Nuclear Waste Repositories, Federal Register, U.S. Government Printing Office, Washington, D.C., December 6, 1984.
- 5.9 ESF/GROA Interface Drawing: BC0000000-01717-2100-89102 Rev 00.
- 5.10 CRWMS M&O, "QA Classification Analysis of Main Access Openings (CI: BABEAD000)," BABEAD000-01717-2200-00002 Rev 01.

6. USE OF COMPUTER SOFTWARE

Computational Support Software, in the form of LOTUS 1-2-3 spreadsheets, was used to execute the trigonometric calculations. The spreadsheets were run in LOTUS 1-2-3 for Windows, Version 1, Release 1. The software is installed on a DUNN 386 computer running at 33 MHz. Complete listings of the cell contents of the spreadsheets are included at the end of the analysis.

INTERGRAPH, a widely used and accepted Computer Aided Drafting (CAD) program, was used to display lengths and azimuths of lines, and curve information, from a graphically developed repository layout. This information was used to develop the horizontal traverses.

A geologic model, Lynx Version 3.06 geologic modeling software (LYNX), running on a Silicon Graphics Indigo R4000 XS24Z workstation with IRIX 5.2 operating system, is used in the development of the ESF and GROA layouts. LYNX Version 3.06 was qualified for Quality Affecting Work (QAW), and has been assigned the CSCI number B00000000-01717-1200-30018. The LYNX geologic modeling software is appropriate for this application, and was run within its range of validation. The manner of use of this software will be described below as clarifying information. The use of the LYNX package, including its inputs, operation, and results, is more fully described in Reference 5.7.

7. DESIGN ANALYSIS

7.1 Development of the ESF / GROA layout

The development of the ESF / GROA layout is performed in the following manner:

- o Develop vertical and horizontal boundaries

Using drilling, tunneling, and outcrop information, the stratigraphy of the site is developed into a three-dimensional stratigraphic computer model. The model consists of various layers, also called "surfaces", or structure maps, which contain the extent of information of the vertical and lateral extent of a particular feature. Layers include the surface topography, the top of the water table, and the top and bottom of each significant stratigraphic unit in between these two. An important surface is the contact between the bottom of the Topopah Spring welded #1 (TSw1) unit and the top of the underlying Topopah Spring welded #2 (TSw2) unit. This contact is represented in the model by a single "surface" which can be graphically represented by an elevation contour map similar to a topographic map of the earth's surface. The three surfaces of most interest in the GROA layout are the Bottom TSw1-Top TSw2, the Bottom TSw2-Top TSw3, and a surface developed by subtracting 200 meters from the surface topography. Taken together, these three surfaces dictate the vertical extent of the GROA.

Using available information on faulting in the site area, a map is developed which shows the location of the fault traces when projected to the approximate elevation of the GROA layout. The information on this map provides, in most areas, the horizontal boundary of the GROA layout. This map, when combined with the surfaces described above, produces a three-dimensional volume within which the GROA can be placed with assurance that no siting criteria or assumptions will be violated. A description of the development of this volume is given in Reference 5.7.

- o Develop the layout within the defined volume

Once the volume is defined, the layout is graphically developed within the volume, accounting for various design limitations. Not all of the area indicated as usable by the geologic model is actually feasible to use for GROA

development. For example, long, thin areas, and areas at the edge that come to a sharp point are not feasible to develop using TBMs. And, while a minimum emplacement drift length has not been defined as such, there is rapidly diminishing utility in developing short emplacement drifts. Each drift, regardless of length, requires the same effort to launch and recover the TBM, and loses the same amount of length to thermal buffers intended to prevent the main drifts from heating up. The shortest drifts shown in the layout are approximately 300 meters in length.

The main access drifts and perimeter exhaust drifts define the shape of the GROA. In the upper emplacement block, these boundary drifts will be driven by TBM during the construction period prior to the start of waste emplacement operations. For the lower block, the boundary drifts will be developed concurrently with upper block emplacement and development operations. Because TBMs perform best in straight or gently curving configurations, the boundary drift layout is composed of straight segments connected by large radius curves. The layout utilizes the bulk of the space within the above described usable volume which can be reasonably developed by standard TBM technology. The horizontal limiting factors are fault standoffs of 60 meters (120 meters between the TS main drift and the west side of the Ghost Dance Fault.) This is true with one exception. The southwest portion of the upper block is limited by the 30 meter vertical standoff from the TSw3. (Assumption 4.3.11)

7.2 Coordinate Geometry Methodology

7.2.1 Horizontal Traverse

The above description of the layout development process is intended only to enlighten the reader on the methodology used to develop the layout. The development of coordinate geometry is done to "locate" the layout in three-dimensional space, and then ensure that the layout complies with the assumptions and criteria applicable to GROA layout. It is this coordinate geometry which is the focus of this analysis.

The point of beginning for the coordinate geometry traverse of the upper block is the North Ramp PT/VPI; Point C8 on Figure 7-1. This point's location is taken from Reference 5.5. (See the explanation above in section 4.1) The only other "set" point (elevation only) (i.e., a point whose position is input as opposed to being determined mathematically) is the point labeled as "H1" on Figure 7-3. This point serves as the

point of beginning for the lower block traverses.

The computer aided drafting program, INTERGRAPH, was used to draw the GROA layout within the physical constraints described above. In general, straight line segments are drawn generally parallel to the fault boundaries at the prescribed offset distances, and the straight line segments are connected together using tangent circular curves. The radius of the curves varies from about 152 meters up to about 305 meters. The resulting closed shape of line segments and tangent curves forms the boundary of the repository.

Because the Intergraph system is arranged such that all points are tied directly to the Nevada State Plane Coordinate System, it is possible to query the CAD program for the length and azimuth of any straight line segment. The point of beginning noted above was used, in conjunction with azimuth and length information obtained from the CAD package, to develop the horizontal traverses around the upper and lower blocks. The horizontal traverses used the line segment length and azimuth information to produce northing and easting coordinate information for the points which define the perimeter drifts. As described below, the coordinate information was then used to produce the vertical traverse information. Table 7-1 shows the horizontal traverse information around the upper block. Table 7-2 shows the same for the lower block, and Table 7-3 shows the result of a traverse from the upper block, down the north access ramp to the lower block, along the lower block from north to south, and back up to the upper block via the south access. The point designations on the tables coincide with the locations denoted on Figures 7-1 and 7-3. For clarity, the same point locations, connected by lines showing the direction of traverse, are shown in Figures 7-2 and 7-4 without the repository layout background. The traverse handled curves by moving from the first point of tangency (PT) encountered to the center of curvature and on to the second PT.

7.2.2 Vertical Traverse

As noted above, the point of beginning for the upper block is "C8," the North Ramp PT/VPI. The elevation of this point is assigned 1065.00 meters as shown in Ref 5.3. The point of beginning for the lower block traverse is the point labeled as "H1" on Figure 7-3. The elevation of this point is 998.00 meters. Elevations within each block are determined using the following logic. The grade of the TS Main Drift is set at 1.35% (Ref 5.5) along azimuth 183° (Ref 5.2). The grade of the emplacement drifts is assumed to be zero (assumption 4.3.10) in this analysis for the purposes of defining the

elevations of the perimeter drift and main drift. The azimuth of the emplacement drifts is 288° (ref . 5.3, p. 8-80). The upper block lies entirely on a plane (that is, the main drift and perimeter drift are all included in a single plane - no vertical curves). This allows calculation of the elevation of all points in these drifts if the orientation and value of the true gradient of the plane are known. This information can be found as described below. This process is also shown pictorially in Figure 7-5.

The azimuth of the strike of the plane (the orientation of lines on the plane having zero slope) is 288° . A known gradient and azimuth in the plane is defined by the TS Main Drift, which has azimuth 183° and gradient $+1.35\%$. (Ref 5.5). Since these two azimuths are not at a 90° angle to each other, however, it is known that 1.35% is not the true gradient. The true gradient will be found along the line whose azimuth is 90° from the strike azimuth. The azimuth of the true gradient, therefore, is:

$$288 - 90 = 198^\circ, \text{ or } 288 + 90 - 360 = 18^\circ$$

The true gradient can be found as follows:

first, determine the angle between the azimuth of the known gradient (183°) and the azimuth of the true gradient:

$$198 - 183 = 15^\circ;$$

then, divide the apparent gradient at azimuth 183 by the cosine of this angle:

$$1.35\% / \cos 15^\circ = 1.3976\%$$

1.3976% is, thus, the true gradient of the plane, and is located along azimuth 198° .

Figure 7-5 shows the geometry discussed above.

Since the blocks are planar, the elevation traverse consists simply of knowing the elevation of a single point on the plane, determining how far along the true gradient azimuth any other point is from the known point, multiplying the distance along the true gradient azimuth by the gradient ($.013976$), and adjusting the elevation by the result. The vertical traverse information is shown on Tables 7-4 and 7-5. Table 7-4 shows a traverse around the upper block perimeter. Table 7-5 is the same effort around the lower block.

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FIGURE 7-1

NOTE -
 TO SEE TRAVERSE PATHS
 WITHOUT BACKGROUND
 SEE SK-394

NOT FOR CONSTRUCTION
 THIS DRAWING CONTAINS CONCEPTUAL
 INFORMATION, AND IS INTENDED ONLY
 TO DEPICT THE PHYSICAL RELATIONSHIP
 OF THE ESF AND GROA LAYOUTS. NO
 CONSTRUCTION INFORMATION SHOULD
 BE TAKEN FROM THIS DRAWING.

NOTE -
 FOR VALUES OF POINTS
 SEE HAND TABULATION
 "INTEGRATED LAYOUT
 SURVEY PLANNING DATA"

Civilian Radioactive Waste Management System MANAGEMENT & OPERATING CONTRACTOR			
INTEGRATED LAYOUT SURVEY PLANNING DATA PLAN - SHEET 1 OF 4			
REFERENCE NUMBER	SK-391		
SCALE	NOTED	ATTACHMENT NO.	SSR-M-SK391.dgn

CONCEPTUAL

DETAIL
SCALE: 1 : 1000

PLAN
SCALE: 1 : 10 000

DETAIL
SCALE: 1 : 1000

DETAIL
SCALE: 1 : 1000

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NOTE -
FOR VALUES OF POINTS SEE HAND TABULATION "INTEGRATED LAYOUT SURVEY PLANNING DATA"

FIGURE 7-2

NOTE -
TO SEE TRAVERSE PATHS WITH BACKGROUND SEE SK-391

Civilian Radioactive Waste Management System MANAGEMENT & OPERATING CONTRACTOR			
INTEGRATED LAYOUT SURVEY PLANNING DATA PLAN - SHEET 2 OF 4			
REFERENCE NUMBER	SK-394		
SCALE	FOR FIELD USE NUMBER	ATTACHED TO FILE	SK-394.dgn
NOTED			

CONCEPTUAL

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NOTE -
 FOR VALUES OF POINTS
 SEE HAND TABULATION
 "INTEGRATED LAYOUT
 COORDINATE POINTS"

FIGURE 7-3

NOTE -
 TO SEE TRAVERSE PATHS
 WITHOUT BACKGROUND
 SEE SK-396

Civilian Radioactive Waste Management System MANAGEMENT & OPERATING CONTRACTOR			
INTEGRATED LAYOUT SURVEY PLANNING DATA PLAN - SHEET 3 OF 4			
REFERENCE NUMBER	SHEET NUMBER		
	SK-395		
SCALE	FOR FIELD USE ONLY	ATTACHMENT FILE	SSR-395.dgn
NOTED			

CONCEPTUAL

ESF/Repository Interface Layout
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FIGURE 7-4

NOTE -
TO SEE TRAVERSE PATHS
WITH BACKGROUND
SEE SK-395

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NOTE -
FOR VALUES OF POINTS
SEE HAND TABULATION
"INTEGRATED LAYOUT
COORDINATE POINTS"

Civilian Radioactive Waste Management System MANAGEMENT & OPERATING CONTRACTOR			
INTEGRATED LAYOUT SURVEY PLANNING DATA PLAN - SHEET 4 OF 4			
REFERENCE NUMBER	SHEET NUMBER		
	SK-396		
SCALE	FOR FIELD USE ONLY	ATTACHED TO FILE	FILE
NOTED		SK-396.dgn	

TABLE 7-1 - UPPER BLOCK HORIZONTAL TRAVERSE

Enter Point Number	Enter 1st Northing	Enter 1st Easting	Enter Azimuths (Dec. Deg. from North)	Enter Horizontal Distance to Next Point			Read Subsequent Northings	Read Subsequent Eastings
INPUTS					NEXT POINT COORDS			
POINT	NORTH	EAST	AZIMUTH	HORIZ DIST	dN	dE	NORTH	EAST
C8 (NR PT/VPI)	234087.742	171313.778						
A0	234653.122	171343.408	3.000000	566.156	565.380	29.830	234653.122	171343.408
A1	234661.104	171191.117	273.000300	152.500	7.982	-152.291	234661.104	171191.117
A2	234800.707	171252.495	23.733200	152.500	139.603	61.378	234800.707	171252.495
A3	235073.757	170631.457	293.733500	678.413	273.050	-621.038	235073.757	170631.457
A4	234928.721	170584.332	198.000100	152.500	-145.036	-47.125	234928.721	170584.332
A5	234969.197	170437.301	285.391600	152.500	40.476	-147.030	234969.197	170437.301
A6	234516.250	170310.737	195.611700	470.297	-452.947	-126.565	234516.250	170310.737
A7	234650.808	169829.183	285.611600	500.000	134.557	-481.554	234650.808	169829.183
A8	234425.688	170275.637	116.759000	500.000	-225.119	446.454	234425.688	170275.637
A9	234258.985	170191.579	206.759000	186.697	-166.703	-84.058	234258.985	170191.579
B0	234033.832	170638.016	116.763300	500.000	-225.153	446.437	234033.832	170638.016
B1	234087.406	170140.894	276.150900	500.000	53.573	-497.122	234087.406	170140.894
B2	232884.454	170011.270	186.150200	1209.916	-1202.952	-129.625	232884.454	170011.270
B3	232830.886	170508.392	96.150200	500.000	-53.568	497.122	232830.886	170508.392
B4	232708.919	170023.496	255.881200	500.000	-121.967	-484.896	232708.919	170023.496
B5	231048.681	170441.102	165.881100	1711.954	-1660.238	417.606	231048.681	170441.102
B9	231119.796	170723.827	75.881100	291.532	71.115	282.725	231119.796	170723.827
C0	231004.744	170991.696	113.243900	291.532	-115.052	267.869	231004.744	170991.696
C1	231274.135	171107.402	23.243900	293.189	269.392	115.706	231274.135	171107.402
C2	231394.505	170827.159	293.244500	305.000	120.370	-280.243	231394.505	170827.159
C3	231378.547	171131.741	92.999300	305.000	-15.959	304.582	231378.547	171131.741
C4	231777.403	171152.645	3.000000	399.404	398.857	20.903	231777.403	171152.645
C5	231770.534	171173.785	108.000500	22.228	-6.869	21.140	231770.534	171173.785
C6	231746.758	171166.059	197.999400	25.000	-23.776	-7.725	231746.758	171166.059
C7	231745.449	171191.025	93.001300	25.000	-1.309	24.966	231745.449	171191.025
C8 (CLOSE)	234087.740	171313.780	3.000000	2345.5060	2342.292	122.755	234087.740	171313.780

TABLE 7-2 - LOWER BLOCK HORIZONTAL TRAVERSE

Enter Point Number	Enter 1st Northing	Enter 1st Easting	Enter Azimuths (Dec. Deg. from North)	Enter Horizontal Distance to Next Point				Read Subsequent Northings	Read Subsequent Eastings
	Read Subsequent Northings	Read Subsequent Eastings							
INPUTS					NEXT POINT COORDS				
POINT	NORTH	EAST	AZIMUTH	HORIZ DIST		dN	dE	NORTH	EAST
*****	*****	*****	*****	*****	=	*****	*****	*****	*****
H1	233702.003	171563.932							
*****	*****	*****	183.000000	1211.2740	• •	-1209.614	-63.394	232492.389	171500.538
D6	232492.389	171500.538							
*****	*****	*****	183.000000	365.6370	* *	-365.136	-19.136	232127.253	171481.402
D7	232127.253	171481.402							
*****	*****	*****	93.000000	150.0000	• •	-7.850	149.794	232119.403	171631.197
D8	232119.403	171631.197							
*****	*****	*****	117.878600	150.0000	* *	-70.140	132.591	232049.263	171763.788
D9	232049.263	171763.788							
*****	*****	*****	27.878300	1110.4040	• •	981.534	519.219	233030.796	172283.007
E0	233030.796	172283.007							
*****	*****	*****	297.878200	305.0000	• *	142.616	-269.603	233173.412	172013.404
E1	233173.412	172013.404							
*****	*****	*****	54.843900	305.0000	* *	175.621	249.364	233349.033	172262.768
E2	233349.033	172262.768							
*****	*****	*****	324.843900	889.0800	* *	726.900	-511.937	234075.933	171750.831
C9	234075.933	171750.831							
*****	*****	*****	234.843900	115.0960	* *	-66.273	-94.101	234009.660	171656.730
D0	234009.660	171656.730							
*****	*****	*****	144.843900	305.0000	• •	-249.364	175.621	233760.296	171832.351
D1	233760.296	171832.351							
*****	*****	*****	273.000000	305.000000	* *	15.963	-304.582	233776.259	171527.769
D2	233776.259	171527.769							
*****	*****	*****	182.997600	42.3570	• *	-42.299	-2.215	233733.960	171525.553
H4	233733.960	171525.553							
*****	*****	*****	93.001300	25.0000	* *	-1.309	24.966	233732.651	171550.519
H3	233732.651	171550.519							
*****	*****	*****	198.000800	25.0000	* •	-23.776	-7.726	233708.874	171542.793
H2	233708.874	171542.793							
*****	*****	*****	108.000500	22.2280	* •	-6.869	21.140	233702.005	171563.933
H1 (CLOSE)	233702.005	171563.933							

TABLE 7-3 - HORIZONTAL TRAVERSE ALONG LOWER BLOCK ACCESS RAMPS

Enter Point Number	Enter 1st Northing	Enter 1st Easting	Enter Azimuths (Dec. Deg. from North)	Enter Horizontal Distance to Next Point			Read Subsequent Northings	Read Subsequent Eastings
	Read Subsequent Northings	Read Subsequent Eastings						
INPUTS					NEXT POINT COORDS			
POINT	NORTH	EAST	AZIMUTH	HORIZ DIST	dN	dE	NORTH	EAST
C8 (NR PT/PI)	234087.742	171313.778	93.000300	305.0000	-15.964	304.582	234071.778	171618.360
G9	234071.778	171618.360	28.974400	305.0000	266.825	147.748	234338.603	171766.108
H0	234338.603	171766.108	118.974400	266.7840	-129.235	233.392	234209.368	171999.500
E3	234209.368	171999.500	28.974100	200.0000	174.968	96.883	234384.336	172096.383
E4	234384.336	172096.383	247.042400	200.0000	-78.010	-184.159	234308.326	171912.224
E5	234308.326	171912.224	337.042500	548.3540	504.921	-213.885	234811.247	171698.339
E6	234811.247	171698.339	247.186200	305.0000	-118.260	-281.140	234692.987	171417.200
E7	234692.987	171417.200	18.000000	305.0000	290.072	94.250	234983.059	171511.450
E8	234983.059	171511.450	288.000000	99.5250	30.755	-94.654	235013.814	171416.796
H5	235013.814	171416.796	288.000000	726.9970	224.654	-691.415	235238.468	170725.381
E9	235238.468	170725.381	333.000000	94.802000	84.469	-43.039	235322.938	170682.341
F0	235322.938	170682.341	63.000200	305.0000	138.466	271.757	235461.404	170954.099
F1	235461.404	170954.099	76.766800	305.0000	69.819	296.901	235531.223	171251.000
F2	235531.223	171251.000	166.766800	1416.8510	-1379.229	324.338	234151.994	171575.338
F3	234151.994	171575.338	256.766400	305.0000	-69.821	-296.901	234082.173	171278.437
F4	234082.173	171278.437	93.000000	305.0000	-15.962	304.582	234066.211	171583.019
F5	234066.211	171583.019	183.000000	364.7070	-364.207	-19.087	233702.003	171563.932
H1	233702.003	171563.932	288.000500	22.2280	6.869	-21.140	233708.872	171542.792
H2	233708.872	171542.792	18.000800	25.0000	23.776	7.726	233732.649	171550.518
H3	233732.649	171550.518	273.001300	25.0000	1.309	-24.966	233733.958	171525.552
H4	233733.958	171525.552	183.000000	1211.2740	-1209.614	-63.394	232524.344	171462.158
D3	232524.344	171462.158	183.000000	613.2980	-612.457	-32.098	231911.886	171430.060
F6	231911.886	171430.060	273.000000	305.0000	15.963	-304.582	231927.849	171125.478
F7	231927.849	171125.478	100.742800	305.0000	-56.852	299.654	231870.997	171425.133
F8	231870.997	171425.133	190.741000	1580.9980	-1553.299	-294.649	230317.696	171130.483
F9	230317.696	171130.483	280.741100	304.8000	56.806	-299.460	230374.504	170831.024
G0	230374.504	170831.024	316.021200	304.8000	219.333	-211.651	230593.837	170619.373
G1	230593.837	170619.373	46.020900	272.9570	189.540	196.418	230783.377	170815.791
G2	230783.377	170815.791	108.000000	409.6000	-126.574	389.553	230656.804	171205.344
G3	230656.804	171205.344	18.000000	305.0000	290.072	94.250	230946.876	171299.594
G4	230946.876	171299.594	181.000000	305.0000	-304.954	-5.323	230641.923	171294.271
G5	230641.923	171294.271	90.627100	144.2630	-1.579	144.254	230640.344	171438.525
G6	230640.344	171438.525	3.000000	305.0000	304.582	15.963	230944.926	171454.487
G7	230944.926	171454.487	273.000000	305.0000	15.963	-304.582	230960.888	171149.905
G8	230960.888	171149.905	3.000000	3131.1420	3126.851	163.872	234087.739	171313.777
C8 (CLOSE)	234087.739	171313.777

AZIMUTH OF TRUE GRADIENT = $90^\circ \pm$ THE STRIKE AZIMUTH
 $288 - 90 = 198^\circ$
TRUE GRADIENT = $1.35\% \div \text{COSINE } 15^\circ = 1.3976\%$

FIGURE 7-5

TABLE 7-4 - UPPER BLOCK VERTICAL TRAVERSE

COORDINATE CHECKER WORKSHEET

CALCULATES DISTANCE, AZIMUTH, & SLOPE (GRADE) BETWEEN GIVEN SETS OF COORDINATES

Column A Enter PL #	Column C Enter Northing	Column E Enter Easting					Column Q Read Horiz. Dist.	Column S Read Slope Dist.	Column U Read Slope (%)	PI/2= 3PI/2=	1.570796 4.712389	Column AC Read Map Azimuth (Dec. Deg.)	
INPUTS													
POINT	NORTH	EAST	ELEVATION	dELEV	dN	dE	dELEV	HORIZ. DIST.	SLOPE DIST.	SLOPE (%)	QUADRANT	MAP AZIMUTH (RADS)	MAP AZIMUTH (DEC. DEG.)
C8 (NR PT/VP)	234087.742	171313.778	1065.000										
A0	234853.122	171343.408	1057.357	-7.643	565.380	29.630	-7.643	566.156	566.208	-1.350	1.000	0.052	3.000
A1	234661.104	171191.117	1057.909	0.552	7.982	-152.291	0.552	152.500	152.501	0.362	4.000	4.765	273.000
A2	234800.707	171252.495	1055.788	-2.121	139.603	61.378	-2.121	152.500	152.515	-1.391	1.000	0.414	23.733
A3	235073.757	170631.457	1054.841	-0.947	273.050	-621.038	-0.947	678.413	678.414	-0.140	4.000	5.127	293.734
A4	234928.721	170584.332	1056.972	2.131	-145.036	-47.125	2.131	152.500	152.515	1.398	3.000	3.456	198.000
A5	234969.197	170437.301	1057.069	0.097	40.476	-147.031	0.097	152.500	152.500	0.064	4.000	4.981	285.392
A6	234516.250	170310.737	1063.636	6.567	-452.947	-126.584	6.567	470.297	470.343	1.396	3.000	3.414	195.612
A7	234650.808	169829.183	1063.927	0.291	134.557	-481.554	0.291	500.000	500.000	0.058	4.000	4.985	285.612
A8	234425.689	170275.637	1064.992	1.064	-225.119	446.454	1.064	500.000	500.001	0.213	2.000	2.038	116.759
A9	234258.985	170191.579	1067.570	2.579	-166.703	-84.058	2.579	186.697	186.715	1.381	3.000	3.609	206.759
B0	234033.833	170638.016	1068.635	1.065	-225.153	446.437	1.065	500.000	500.001	0.213	2.000	2.038	116.763
B1	234087.406	170140.894	1070.070	1.435	53.573	-497.122	1.435	500.000	500.002	0.287	4.000	4.820	276.151
B2	232884.454	170011.269	1086.619	16.549	-1202.952	-129.625	16.549	1209.916	1210.029	1.368	3.000	3.249	186.150
B3	232830.886	170508.392	1085.184	-1.435	-53.568	497.122	-1.435	500.000	500.002	-0.287	2.000	1.678	96.150
B4	232708.919	170023.496	1088.900	3.715	-121.967	-484.896	3.715	500.000	500.014	0.743	3.000	4.466	255.881
B5	231048.681	170441.102	1109.164	20.264	-1660.238	417.606	20.264	1711.954	1712.074	1.184	2.000	2.895	165.881
B9	231119.796	170723.827	1106.998	-2.166	71.115	282.725	-2.166	291.532	291.540	-0.743	1.000	1.324	75.881
C0	231004.744	170991.696	1107.370	0.372	-115.052	267.869	0.372	291.532	291.532	0.128	2.000	1.976	113.244
C1	231274.136	171107.402	1103.290	-4.080	269.392	115.706	-4.080	293.189	293.217	-1.392	1.000	0.406	23.244
C2	231394.506	170827.159	1102.900	-0.390	120.370	-280.243	-0.390	305.000	305.000	-0.128	4.000	5.118	293.244
C3	231378.547	171131.741	1101.797	-1.103	-15.959	304.582	-1.103	305.000	305.002	-0.362	2.000	1.623	92.999
C4	231777.403	171152.644	1096.405	-5.392	396.857	20.903	-5.392	399.404	399.440	-1.350	1.000	0.052	3.000
C5	231770.534	171173.784	1096.405	0.000	-6.869	21.140	0.000	22.228	22.228	0.000	2.000	1.885	108.000
C6	231746.758	171166.059	1096.754	0.349	-23.776	-7.725	0.349	25.000	25.002	1.398	3.000	3.456	197.999
C7	231745.449	171191.025	1096.664	-0.090	-1.309	24.966	-0.090	25.000	25.000	-0.362	2.000	1.623	93.001
C8 (CLOSE)	234087.742	171313.778	1065.000	-31.664	2342.293	122.753	-31.664	2345.508	2345.721	-1.350	1.000	0.052	3.000

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TABLE 7-5 - LOWER BLOCK VERTICAL TRAVERSE

COORDINATE CHECKER WORKSHEET

CALCULATES DISTANCE, AZIMUTH, & SLOPE (GRADE) BETWEEN GIVEN SETS OF COORDINATES

Column A Enter PL #	Column C Enter Northing	Column E Enter Easting					Column Q Read Horiz. Dist.	Column S Read Slope Dist.	Column U Read Slope (%)	P1/2= 3P1/2=	1.570796 4.712389	Column AC Read Map Azimuth (Dec. Deg.)	
INPUTS													
POINT	NORTH	EAST	ELEVATION	dELEV	dN	dE	dELEV	HORIZ. DIST.	SLOPE DIST.	SLOPE (%)	QUADRANT	MAP AZIMUTH (RADS)	MAP AZIMUTH (DEC. DEG.)
H1	233702.003	171563.932	998.000										
D6	232492.391	171500.540	1014.352	16.352	-1209.612	-63.392	16.352	1211.272	1211.382	1.350	3	3.194	183.000
D7	232127.255	171481.404	1019.288	4.936	-365.136	-19.136	4.936	365.637	365.670	1.350	3	3.194	183.000
D8	232119.405	171631.199	1018.745	-0.543	-7.850	149.794	-0.543	150.000	150.001	-0.362	2	1.623	93.000
D9	232049.265	171763.790	1019.105	0.360	-70.140	132.591	0.360	150.000	150.000	0.240	2	2.057	117.879
E0	233030.799	172283.009	1003.816	-15.289	981.534	519.219	-15.289	1110.404	1110.509	-1.377	1	0.487	27.878
E1	233173.414	172013.406	1003.085	-0.731	142.616	-269.603	-0.731	305.000	305.001	-0.240	4	5.199	297.878
E2	233349.035	172262.770	999.673	-3.411	175.621	249.364	-3.411	305.000	305.019	-1.118	1	0.957	54.844
C9	234075.935	171750.833	992.223	-7.451	726.900	-511.937	-7.451	889.080	889.111	-0.838	4	5.670	324.844
D0	234009.662	171656.732	993.510	1.287	-66.273	-94.101	1.287	115.096	115.103	1.118	3	4.099	234.844
D1	233760.298	171832.353	996.066	2.556	-249.364	175.621	2.556	305.000	305.011	0.838	2	2.528	144.844
D2	233776.261	171527.771	997.169	1.103	15.963	-304.582	1.103	305.000	305.002	0.362	4	4.765	273.000
H4	233733.962	171525.556	997.741	0.572	-42.299	-2.215	0.572	42.357	42.361	1.350	3	3.194	182.998
H3	233732.653	171550.521	997.651	-0.090	-1.309	24.966	-0.090	25.000	25.000	-0.362	2	1.623	93.001
H2	233708.876	171542.795	998.000	0.349	-23.776	-7.726	0.349	25.000	25.002	1.398	3	3.456	198.001
H1 (CLOSE)	233702.007	171563.935	998.000	0.000	-6.869	21.140	0.000	22.228	22.228	0.000	2	1.885	108.000

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8. CONCLUSIONS

It is concluded from this analysis that the graphically developed configurations of the upper and lower repository blocks are mathematically valid as they are shown in the included figures. This configuration will be used as the basis for the currently ongoing revision of the ESF/GROA Interface drawings.

9. ATTACHMENTS

The balance of this analysis contains the cell contents printouts of the traverse spreadsheets.

There are five attachments to this analysis, as listed below.

Attachment I - Cell Contents of Spreadsheet Used to Generate Table 7-1

Attachment II - Cell Contents of Spreadsheet Used to Generate Table 7-2

Attachment III - Cell Contents of Spreadsheet Used to Generate Table 7-3

Attachment IV - Cell Contents of Spreadsheet Used to Generate Table 7-4

Attachment V - Cell Contents of Spreadsheet Used to Generate Table 7-5

Attachment I
Cell Contents of Spreadsheet
used to
Generate Table 7-1

(Includes copy of the table with rows/columns labeled)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	VW
1	TABLE 7-1 - UPPER BLOCK HORIZONTAL TRAVERSE																				
2	Enter		Enter		Enter		Enter		Enter												
3	Point		1st		1st		Azimuths		Horizontal												
4	Number		Northings		Eastings		(Dec. Deg.		Distance												
5			Read		Read		from		to												
6			Subsequent		Subsequent		North)		Next Point												
7			Northings		Eastings												Read		Read		
8																	Subsequent		Subsequent		
9																	Northings		Eastings		
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A:A1: {Page 1/1} 'UPBLKTRV.WK1
A:E1: {Page Arial MT14} 'TABLE 7-1 - UPPER BLOCK HORIZONTAL TRAVERSE
A:A2: {Page} _
A:B2: [W1] '
A:C2: _
A:D2: [W1] '
A:E2: _
A:F2: [W1] '
A:G2: _
A:H2: [W1] '
A:I2: _
A:J2: [W1] '
A:O2: _
A:P2: [W1] '
A:Q2: _
A:R2: [W1] '
A:S2: _
A:T2: [W1] '
A:U2: _
A:V2: [W1] '
A:A3: {Page} ^Enter
A:B3: [W1] \
A:C3: ^Enter
A:D3: [W1] \
A:E3: ^Enter
A:F3: [W1] \
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A:H3: [W1] \
A:I3: ^Enter
A:J3: [W1] \
A:N3: [W1] \
A:O3: '
A:P3: [W1] \
A:Q3: '
A:R3: [W1] \
A:S3: '
A:T3: [W1] \
A:U3: '
A:V3: [W1] \
A:A4: {Page} ^Point
A:B4: [W1] \
A:C4: ^1st Northing

A:D4: [W1] \\
A:E4: ^1st Easting
A:F4: [W1] \\
A:G4: ^Azimuths
A:H4: [W1] \\
A:I4: ^Horizontal
A:J4: [W1] \\
A:N4: [W1] \\
A:P4: [W1] \\
A:R4: [W1] \\
A:S4: ^Read
A:T4: [W1] \\
A:U4: ^Read
A:V4: [W1] \\
A:A5: {Page} ^Number
A:B5: [W1] \\
A:C5: \-
A:D5: [W1] \\
A:E5: \-
A:F5: [W1] \\
A:G5: ^ (Dec. Deg.
A:H5: [W1] \\
A:I5: ^Distance
A:J5: [W1] \\
A:N5: [W1] \\
A:P5: [W1] \\
A:R5: [W1] \\
A:S5: ^Subsequent
A:T5: [W1] \\
A:U5: ^Subsequent
A:V5: [W1] \\
A:B6: [W1] \\
A:C6: ^Read
A:D6: [W1] \\
A:E6: ^Read
A:F6: [W1] \\
A:G6: ^from
A:H6: [W1] \\
A:I6: ^to
A:J6: [W1] \\
A:N6: [W1] \\
A:P6: [W1] \\

A:R6: [W1] \\
A:S6: ^Northings
A:T6: [W1] \\
A:U6: ^Eastings
A:V6: [W1] \\
A:B7: [W1] \\
A:C7: ^Subsequent
A:D7: [W1] \\
A:E7: ^Subsequent
A:F7: [W1] \\
A:G7: ^North)
A:H7: [W1] \\
A:I7: ^Next Point
A:J7: [W1] \\
A:N7: [W1] \\
A:P7: [W1] \\
A:R7: [W1] \\
A:T7: [W1] \\
A:V7: [W1] \\
A:A8: {Page} _
A:B8: [W1] \\
A:C8: ^Northings
A:D8: [W1] \\
A:E8: ^Eastings
A:F8: [W1] \\
A:G8: _
A:H8: [W1] \\
A:I8: _
A:J8: [W1] \\
A:N8: [W1] \\
A:O8: _
A:P8: [W1] \\
A:Q8: _
A:R8: [W1] \\
A:S8: _
A:T8: [W1] \\
A:U8: _
A:V8: [W1] \\
A:A9: {Page} '
A:C10: "INPUTS
A:S10: ^NEXT POINT COORDS
A:A11: {Page} \=

A:B11: [W1] '=
A:C11: \=
A:D11: [W1] '=
A:E11: \=
A:F11: [W1] '=
A:G11: \=
A:H11: [W1] '=
A:I11: \=
A:J11: [W1] '=
A:R11: [W1] '=
A:S11: \=
A:T11: [W1] '=
A:U11: \=
A:V11: [W1] '=
A:A12: {Page} ^POINT
A:C12: ^NORTH
A:E12: ^EAST
A:G12: ^AZIMUTH
A:I12: ^HORIZ DIST
A:J12: [W1] '|
A:O12: ^dN
A:Q12: ^dE
A:R12: [W1] '|
A:S12: ^NORTH
A:U12: ^EAST
A:A13: {Page} \=
A:B13: [W1] '=
A:C13: \=
A:D13: [W1] '=
A:E13: \=
A:F13: [W1] '=
A:G13: \=
A:H13: [W1] '=
A:I13: \=
A:J13: [W1] '=
A:K13: [W1] \=
A:L13: [W1] '=
A:M13: [W1] \=
A:N13: [W1] '=
A:O13: \=
A:P13: [W1] '=
A:Q13: \=

A:R13: [W1] '='
A:S13: \=
A:T13: [W1] '='
A:U13: \=
A:V13: [W1] '='
A:A15: {Page} '
A:C15: '
A:E15: '
A:A16: {Page} *
A:B16: [W1] '|'
A:C16: (F4) *
A:D16: (F4) [W1] '|'
A:E16: (F4) *
A:F16: (F4) [W1] '|'
A:G16: (F6) '
A:H16: (F4) [W1] '|'
A:I16: (F4) '
A:J16: (F4) [W1] '|'
A:K16: (F4) [W1] '
A:L16: (F2) [W1] '|'
A:M16: (F0) [W1] '
A:N16: (F2) [W1] '|'
A:O16: (F4) '
A:P16: (F4) [W1] '|'
A:Q16: (F4) '
A:R16: (F2) [W1] '|'
A:S16: (F4) '
A:T16: (F4) [W1] '|'
A:U16: (F4) '
A:V16: (F4) [W1] '|'
A:W16: [W1] '
A:A17: {Page} 'C8 (NR PT/VPI)
A:B17: [W1] '|'
A:C17: (F3) 234087.742
A:D17: (F3) [W1] '|'
A:E17: (F3) 171313.778
A:F17: (F4) [W1] '|'
A:H17: (F4) [W1] '|'
A:J17: (F4) [W1] '|'
A:L17: (F2) [W1] '|'
A:N17: (F2) [W1] '|'
A:P17: (F3) [W1] '|'

A:R17: (F3) [W1] '
A:T17: (F3) [W1] '
A:V17: (F4) [W1] '
A:A18: {Page} *
A:B18: [W1] '
A:C18: (F3) *
A:D18: (F3) [W1] '
A:E18: (F3) *
A:F18: (F4) [W1] '
A:G18: (F6) 3
A:H18: (F4) [W1] '
A:I18: (F3) 566.156
A:J18: (F4) [W1] '
A:K18: (F4) [W1] @ROUND(G18*@PI/180,6)
A:L18: (F2) [W1] '
A:M18: (F0) [W1] @IF(G18>=0#AND#G18<180,@IF(G18<90,1,2),@IF(G18<270,3,4))
A:N18: (F2) [W1] '
A:O18: (F3)
@IF(M18=1#OR#M18=2,@IF(M18=1,I18*@COS(K18),-I18*@COS(@PI-K18)),@IF(M18=3,
-I18*@COS(K18-@PI),I18*@COS(2*@PI-K18)))
A:P18: (F3) [W1] '
A:Q18: (F3)
@IF(M18=1#OR#M18=2,@IF(M18=1,I18*@SIN(K18),I18*@SIN(@PI-K18)),@IF(M18=3,-I
18*@SIN(K18-@PI),-I18*@SIN(2*@PI-K18)))
A:R18: (F3) [W1] '
A:S18: (F3) +C17+O18
A:T18: (F3) [W1] '
A:U18: (F3) +E17+Q18
A:V18: (F4) [W1] '
A:A19: {Page} 'A0
A:B19: [W1] '
A:C19: (F3) +S18
A:D19: (F3) [W1] '
A:E19: (F3) +U18
A:F19: (F4) [W1] '
A:H19: (F4) [W1] '
A:J19: (F4) [W1] '
A:L19: (F2) [W1] '
A:N19: (F2) [W1] '
A:P19: (F3) [W1] '
A:R19: (F3) [W1] '
A:T19: (F3) [W1] '

A:V19: (F4) [W1] '|
A:A20: {Page} *
A:B20: [W1] '|
A:C20: (F3) *
A:D20: (F3) [W1] '|
A:E20: (F3) *
A:F20: (F4) [W1] '|
A:G20: (F6) 273.0003
A:H20: (F4) [W1] '|
A:I20: (F3) 152.5
A:J20: (F4) [W1] '|
A:K20: (F4) [W1] @ROUND(G20*@PI/180,6)
A:L20: (F2) [W1] '|
A:M20: (F0) [W1] @IF(G20>=0#AND#G20<180,@IF(G20<90,1,2),@IF(G20<270,3,4))
A:N20: (F2) [W1] '|
A:O20: (F3)
@IF(M20=1#OR#M20=2,@IF(M20=1,I20*@COS(K20),-I20*@COS(@PI-K20)),@IF(M20=3,
-I20*@COS(K20-@PI),I20*@COS(2*@PI-K20)))
A:P20: (F3) [W1] '|
A:Q20: (F3)
@IF(M20=1#OR#M20=2,@IF(M20=1,I20*@SIN(K20),I20*@SIN(@PI-K20)),@IF(M20=3,-I
20*@SIN(K20-@PI),-I20*@SIN(2*@PI-K20)))
A:R20: (F3) [W1] '|
A:S20: (F3) +C19+O20
A:T20: (F3) [W1] '|
A:U20: (F3) +E19+Q20
A:V20: (F4) [W1] '|
A:A21: {Page} 'A1
A:B21: [W1] '|
A:C21: (F3) +S20
A:D21: (F3) [W1] '|
A:E21: (F3) +U20
A:F21: (F4) [W1] '|
A:H21: (F4) [W1] '|
A:J21: (F4) [W1] '|
A:L21: (F2) [W1] '|
A:N21: (F2) [W1] '|
A:P21: (F3) [W1] '|
A:R21: (F3) [W1] '|
A:T21: (F3) [W1] '|
A:V21: (F4) [W1] '|
A:A22: {Page} *

A:B22: [W1] '|
A:C22: (F3) *
A:D22: (F3) [W1] '|
A:E22: (F3) *
A:F22: (F4) [W1] '|
A:G22: (F6) 23.7332
A:H22: (F4) [W1] '|
A:I22: (F3) 152.5
A:J22: (F4) [W1] '|
A:K22: (F4) [W1] @ROUND(G22*@PI/180,6)
A:L22: (F2) [W1] '|
A:M22: (F0) [W1] @IF(G22>=0#AND#G22<180,@IF(G22<90,1,2),@IF(G22<270,3,4))
A:N22: (F2) [W1] '|
A:O22: (F3)
@IF(M22=1#OR#M22=2,@IF(M22=1,I22*@COS(K22),-I22*@COS(@PI-K22)),@IF(M22=3,
-I22*@COS(K22-@PI),I22*@COS(2*@PI-K22)))
A:P22: (F3) [W1] '|
A:Q22: (F3)
@IF(M22=1#OR#M22=2,@IF(M22=1,I22*@SIN(K22),I22*@SIN(@PI-K22)),@IF(M22=3,-I
22*@SIN(K22-@PI),-I22*@SIN(2*@PI-K22)))
A:R22: (F3) [W1] '|
A:S22: (F3) +C21+O22
A:T22: (F3) [W1] '|
A:U22: (F3) +E21+Q22
A:V22: (F4) [W1] '|
A:A23: {Page} 'A2
A:B23: [W1] '|
A:C23: (F3) +S22
A:D23: (F3) [W1] '|
A:E23: (F3) +U22
A:F23: (F4) [W1] '|
A:H23: (F4) [W1] '|
A:J23: (F4) [W1] '|
A:L23: (F2) [W1] '|
A:N23: (F2) [W1] '|
A:P23: (F3) [W1] '|
A:R23: (F3) [W1] '|
A:T23: (F3) [W1] '|
A:V23: (F4) [W1] '|
A:A24: {Page} *
A:B24: [W1] '|
A:C24: (F3) *

A:D24: (F3) [W1] '|
A:E24: (F3) *
A:F24: (F4) [W1] '|
A:G24: (F6) 293.7335
A:H24: (F4) [W1] '|
A:I24: (F3) 678.4132
A:J24: (F4) [W1] '|
A:K24: (F4) [W1] @ROUND(G24*@PI/180,6)
A:L24: (F2) [W1] '|
A:M24: (F0) [W1] @IF(G24>=0#AND#G24<180,@IF(G24<90,1,2),@IF(G24<270,3,4))
A:N24: (F2) [W1] '|
A:O24: (F3)
@IF(M24=1#OR#M24=2,@IF(M24=1,I24*@COS(K24),-I24*@COS(@PI-K24)),@IF(M24=3,
-I24*@COS(K24-@PI),I24*@COS(2*@PI-K24)))
A:P24: (F3) [W1] '|
A:Q24: (F3)
@IF(M24=1#OR#M24=2,@IF(M24=1,I24*@SIN(K24),I24*@SIN(@PI-K24)),@IF(M24=3,-I
24*@SIN(K24-@PI),-I24*@SIN(2*@PI-K24)))
A:R24: (F3) [W1] '|
A:S24: (F3) +C23+O24
A:T24: (F3) [W1] '|
A:U24: (F3) +E23+Q24
A:V24: (F4) [W1] '|
A:A25: {Page} 'A3
A:B25: [W1] '|
A:C25: (F3) +S24
A:D25: (F3) [W1] '|
A:E25: (F3) +U24
A:F25: (F4) [W1] '|
A:H25: (F4) [W1] '|
A:J25: (F4) [W1] '|
A:L25: (F2) [W1] '|
A:N25: (F2) [W1] '|
A:P25: (F3) [W1] '|
A:R25: (F3) [W1] '|
A:T25: (F3) [W1] '|
A:V25: (F4) [W1] '|
A:A26: {Page} *
A:B26: [W1] '|
A:C26: (F3) *
A:D26: (F3) [W1] '|
A:E26: (F3) *

A:F26: (F4) [W1] '|
A:G26: (F6) 198.0001
A:H26: (F4) [W1] '|
A:I26: (F3) 152.5
A:J26: (F4) [W1] '|
A:K26: (F4) [W1] @ROUND(G26*@PI/180,6)
A:L26: (F2) [W1] '|
A:M26: (F0) [W1] @IF(G26>=0#AND#G26<180,@IF(G26<90,1,2),@IF(G26<270,3,4))
A:N26: (F2) [W1] '|
A:O26: (F3)
@IF(M26=1#OR#M26=2,@IF(M26=1,I26*@COS(K26),-I26*@COS(@PI-K26)),@IF(M26=3,
-I26*@COS(K26-@PI),I26*@COS(2*@PI-K26)))
A:P26: (F3) [W1] '|
A:Q26: (F3)
@IF(M26=1#OR#M26=2,@IF(M26=1,I26*@SIN(K26),I26*@SIN(@PI-K26)),@IF(M26=3,-I
26*@SIN(K26-@PI),-I26*@SIN(2*@PI-K26)))
A:R26: (F3) [W1] '|
A:S26: (F3) +C25+O26
A:T26: (F3) [W1] '|
A:U26: (F3) +E25+Q26
A:V26: (F4) [W1] '|
A:A27: {Page} 'A4
A:B27: [W1] '|
A:C27: (F3) +S26
A:D27: (F3) [W1] '|
A:E27: (F3) +U26
A:F27: (F4) [W1] '|
A:H27: (F4) [W1] '|
A:J27: (F4) [W1] '|
A:L27: (F2) [W1] '|
A:N27: (F2) [W1] '|
A:P27: (F3) [W1] '|
A:R27: (F3) [W1] '|
A:T27: (F3) [W1] '|
A:V27: (F4) [W1] '|
A:A28: {Page} \'*
A:B28: [W1] '|
A:C28: (F3) \'*
A:D28: (F3) [W1] '|
A:E28: (F3) \'*
A:F28: (F4) [W1] '|
A:G28: (F6) 285.3916

A:H28: (F4) [W1] '|
A:I28: (F3) 152.5
A:J28: (F4) [W1] '|
A:K28: (F4) [W1] @ROUND(G28*@PI/180,6)
A:L28: (F2) [W1] '|
A:M28: (F0) [W1] @IF(G28>=0#AND#G28<180,@IF(G28<90,1,2),@IF(G28<270,3,4))
A:N28: (F2) [W1] '|
A:O28: (F3)
@IF(M28=1#OR#M28=2,@IF(M28=1,I28*@COS(K28),-I28*@COS(@PI-K28)),@IF(M28=3,
-I28*@COS(K28-@PI),I28*@COS(2*@PI-K28)))
A:P28: (F3) [W1] '|
A:Q28: (F3)
@IF(M28=1#OR#M28=2,@IF(M28=1,I28*@SIN(K28),I28*@SIN(@PI-K28)),@IF(M28=3,-I
28*@SIN(K28-@PI),-I28*@SIN(2*@PI-K28)))
A:R28: (F3) [W1] '|
A:S28: (F3) +C27+O28
A:T28: (F3) [W1] '|
A:U28: (F3) +E27+Q28
A:V28: (F4) [W1] '|
A:A29: {Page} 'A5
A:B29: [W1] '|
A:C29: (F3) +S28
A:D29: (F3) [W1] '|
A:E29: (F3) +U28
A:F29: (F4) [W1] '|
A:H29: (F4) [W1] '|
A:J29: (F4) [W1] '|
A:L29: (F2) [W1] '|
A:N29: (F2) [W1] '|
A:P29: (F3) [W1] '|
A:R29: (F3) [W1] '|
A:T29: (F3) [W1] '|
A:V29: (F4) [W1] '|
A:A30: {Page} *
A:B30: [W1] '|
A:C30: (F3) *
A:D30: (F3) [W1] '|
A:E30: (F3) *
A:F30: (F4) [W1] '|
A:G30: (F6) 195.6117
A:H30: (F4) [W1] '|
A:I30: (F3) 470.297

A:J30: (F4) [W1] '|
A:K30: (F4) [W1] @ROUND(G30*@PI/180,6)
A:L30: (F2) [W1] '|
A:M30: (F0) [W1] @IF(G30>=0#AND#G30<180,@IF(G30<90,1,2),@IF(G30<270,3,4))
A:N30: (F2) [W1] '|
A:O30: (F3)
@IF(M30=1#OR#M30=2,@IF(M30=1,I30*@COS(K30),-I30*@COS(@PI-K30)),@IF(M30=3,
-I30*@COS(K30-@PI),I30*@COS(2*@PI-K30)))
A:P30: (F3) [W1] '|
A:Q30: (F3)
@IF(M30=1#OR#M30=2,@IF(M30=1,I30*@SIN(K30),I30*@SIN(@PI-K30)),@IF(M30=3,-I
30*@SIN(K30-@PI),-I30*@SIN(2*@PI-K30)))
A:R30: (F3) [W1] '|
A:S30: (F3) +C29+O30
A:T30: (F3) [W1] '|
A:U30: (F3) +E29+Q30
A:V30: (F4) [W1] '|
A:A31: {Page} 'A6
A:B31: [W1] '|
A:C31: (F3) +S30
A:D31: (F3) [W1] '|
A:E31: (F3) +U30
A:F31: (F4) [W1] '|
A:H31: (F4) [W1] '|
A:J31: (F4) [W1] '|
A:L31: (F2) [W1] '|
A:N31: (F2) [W1] '|
A:P31: (F3) [W1] '|
A:R31: (F3) [W1] '|
A:T31: (F3) [W1] '|
A:V31: (F4) [W1] '|
A:A32: {Page} *
A:B32: [W1] '|
A:C32: (F3) *
A:D32: (F3) [W1] '|
A:E32: (F3) *
A:F32: (F4) [W1] '|
A:G32: (F6) 285.6116
A:H32: (F4) [W1] '|
A:I32: (F3) 499.9998
A:J32: (F4) [W1] '|
A:K32: (F4) [W1] @ROUND(G32*@PI/180,6)

A:L32: (F2) [W1] '|
A:M32: (F0) [W1] @IF(G32>=0#AND#G32<180,@IF(G32<90,1,2),@IF(G32<270,3,4))
A:N32: (F2) [W1] '|
A:O32: (F3)
@IF(M32=1#OR#M32=2,@IF(M32=1,I32*@COS(K32),-I32*@COS(@PI-K32)),@IF(M32=3,
-I32*@COS(K32-@PI),I32*@COS(2*@PI-K32)))
A:P32: (F3) [W1] '|
A:Q32: (F3)
@IF(M32=1#OR#M32=2,@IF(M32=1,I32*@SIN(K32),I32*@SIN(@PI-K32)),@IF(M32=3,-I
32*@SIN(K32-@PI),-I32*@SIN(2*@PI-K32)))
A:R32: (F3) [W1] '|
A:S32: (F3) +C31+O32
A:T32: (F3) [W1] '|
A:U32: (F3) +E31+Q32
A:V32: (F4) [W1] '|
A:A33: {Page} 'A7
A:B33: [W1] '|
A:C33: (F3) +S32
A:D33: (F3) [W1] '|
A:E33: (F3) +U32
A:F33: (F4) [W1] '|
A:H33: (F4) [W1] '|
A:J33: (F4) [W1] '|
A:L33: (F2) [W1] '|
A:N33: (F2) [W1] '|
A:P33: (F3) [W1] '|
A:R33: (F3) [W1] '|
A:T33: (F3) [W1] '|
A:V33: (F4) [W1] '|
A:A34: {Page} *
A:B34: [W1] '|
A:C34: (F3) *
A:D34: (F3) [W1] '|
A:E34: (F3) *
A:F34: (F4) [W1] '|
A:G34: (F6) 116.759
A:H34: (F4) [W1] '|
A:I34: (F3) 499.9997
A:J34: (F4) [W1] '|
A:K34: (F4) [W1] @ROUND(G34*@PI/180,6)
A:L34: (F2) [W1] '|
A:M34: (F0) [W1] @IF(G34>=0#AND#G34<180,@IF(G34<90,1,2),@IF(G34<270,3,4))

A:N34: (F2) [W1] '|
A:O34: (F3)
@IF(M34=1#OR#M34=2,@IF(M34=1,I34*@COS(K34),-I34*@COS(@PI-K34)),@IF(M34=3,
-I34*@COS(K34-@PI),I34*@COS(2*@PI-K34)))
A:P34: (F3) [W1] '|
A:Q34: (F3)
@IF(M34=1#OR#M34=2,@IF(M34=1,I34*@SIN(K34),I34*@SIN(@PI-K34)),@IF(M34=3,-I
34*@SIN(K34-@PI),-I34*@SIN(2*@PI-K34)))
A:R34: (F3) [W1] '|
A:S34: (F3) +C33+O34
A:T34: (F3) [W1] '|
A:U34: (F3) +E33+Q34
A:V34: (F4) [W1] '|
A:A35: {Page} 'A8
A:B35: [W1] '|
A:C35: (F3) +S34
A:D35: (F3) [W1] '|
A:E35: (F3) +U34
A:F35: (F4) [W1] '|
A:H35: (F4) [W1] '|
A:J35: (F4) [W1] '|
A:L35: (F2) [W1] '|
A:N35: (F2) [W1] '|
A:P35: (F3) [W1] '|
A:R35: (F3) [W1] '|
A:T35: (F3) [W1] '|
A:V35: (F4) [W1] '|
A:A36: {Page} *
A:B36: [W1] '|
A:C36: (F3) *
A:D36: (F3) [W1] '|
A:E36: (F3) *
A:F36: (F4) [W1] '|
A:G36: (F6) 206.759
A:H36: (F4) [W1] '|
A:I36: (F3) 186.697
A:J36: (F4) [W1] '|
A:K36: (F4) [W1] @ROUND(G36*@PI/180,6)
A:L36: (F2) [W1] '|
A:M36: (F0) [W1] @IF(G36>=0#AND#G36<180,@IF(G36<90,1,2),@IF(G36<270,3,4))
A:N36: (F2) [W1] '|
A:O36: (F3)

@IF(M36=1#OR#M36=2,@IF(M36=1,I36*@COS(K36),-I36*@COS(@PI-K36)),@IF(M36=3,-I36*@COS(K36-@PI),I36*@COS(2*@PI-K36)))

A:P36: (F3) [W1] '|

A:Q36: (F3)

@IF(M36=1#OR#M36=2,@IF(M36=1,I36*@SIN(K36),I36*@SIN(@PI-K36)),@IF(M36=3,-I36*@SIN(K36-@PI),-I36*@SIN(2*@PI-K36)))

A:R36: (F3) [W1] '|

A:S36: (F3) +C35+O36

A:T36: (F3) [W1] '|

A:U36: (F3) +E35+Q36

A:V36: (F4) [W1] '|

A:A37: {Page} 'A9

A:B37: [W1] '|

A:C37: (F3) +S36

A:D37: (F3) [W1] '|

A:E37: (F3) +U36

A:F37: [W1] '|

A:H37: [W1] '|

A:J37: [W1] '|

A:L37: [W1] '|

A:N37: [W1] '|

A:P37: (F3) [W1] '|

A:R37: (F3) [W1] '|

A:T37: (F3) [W1] '|

A:V37: (F4) [W1] '|

A:A38: {Page} *

A:B38: [W1] '|

A:C38: (F3) *

A:D38: (F3) [W1] '|

A:E38: (F3) *

A:F38: (F4) [W1] '|

A:G38: (F6) 116.7633

A:H38: (F4) [W1] '|

A:I38: (F3) 499.9999

A:J38: (F4) [W1] '|

A:K38: (F4) [W1] @ROUND(G38*@PI/180,6)

A:L38: (F2) [W1] '|

A:M38: (F0) [W1] @IF(G38>=0#AND#G38<180,@IF(G38<90,1,2),@IF(G38<270,3,4))

A:N38: (F2) [W1] '|

A:O38: (F3)

@IF(M38=1#OR#M38=2,@IF(M38=1,I38*@COS(K38),-I38*@COS(@PI-K38)),@IF(M38=3,-I38*@COS(K38-@PI),I38*@COS(2*@PI-K38)))

A:P38: (F3) [W1] '|
A:Q38: (F3)
@IF(M38=1#OR#M38=2,@IF(M38=1,I38*@SIN(K38),I38*@SIN(@PI-K38)),@IF(M38=3,-I38*@SIN(K38-@PI),-I38*@SIN(2*@PI-K38)))
A:R38: (F3) [W1] '|
A:S38: (F3) +C37+O38
A:T38: (F3) [W1] '|
A:U38: (F3) +E37+Q38
A:V38: (F4) [W1] '|
A:A39: {Page} 'B0
A:B39: [W1] '|
A:C39: (F3) +S38
A:D39: (F3) [W1] '|
A:E39: (F3) +U38
A:F39: (F4) [W1] '|
A:H39: (F4) [W1] '|
A:J39: (F4) [W1] '|
A:L39: (F2) [W1] '|
A:N39: (F2) [W1] '|
A:P39: (F3) [W1] '|
A:R39: (F3) [W1] '|
A:T39: (F3) [W1] '|
A:V39: (F4) [W1] '|
A:A40: {Page} *
A:B40: [W1] '|
A:C40: (F3) *
A:D40: (F3) [W1] '|
A:E40: (F3) *
A:F40: (F4) [W1] '|
A:G40: (F6) 276.1509
A:H40: (F4) [W1] '|
A:I40: (F3) 500
A:J40: (F4) [W1] '|
A:K40: (F4) [W1] @ROUND(G40*@PI/180,6)
A:L40: (F2) [W1] '|
A:M40: (F0) [W1] @IF(G40>=0#AND#G40<180,@IF(G40<90,1,2),@IF(G40<270,3,4))
A:N40: (F2) [W1] '|
A:O40: (F3)
@IF(M40=1#OR#M40=2,@IF(M40=1,I40*@COS(K40),-I40*@COS(@PI-K40)),@IF(M40=3,-I40*@COS(K40-@PI),I40*@COS(2*@PI-K40)))
A:P40: (F3) [W1] '|
A:Q40: (F3)

@IF(M40=1#OR#M40=2,@IF(M40=1,I40*@SIN(K40),I40*@SIN(@PI-K40)),@IF(M40=3,-I40*@SIN(K40-@PI),-I40*@SIN(2*@PI-K40)))

A:R40: (F3) [W1] |

A:S40: (F3) +C39+O40

A:T40: (F3) [W1] |

A:U40: (F3) +E39+Q40

A:V40: (F4) [W1] |

A:A41: {Page} 'B1

A:B41: [W1] |

A:C41: (F3) +S40

A:D41: (F3) [W1] |

A:E41: (F3) +U40

A:F41: (F4) [W1] |

A:H41: (F4) [W1] |

A:J41: (F4) [W1] |

A:L41: (F2) [W1] |

A:N41: (F2) [W1] |

A:P41: (F3) [W1] |

A:R41: (F3) [W1] |

A:T41: (F3) [W1] |

A:V41: (F4) [W1] |

A:A42: {Page} *

A:B42: [W1] |

A:C42: (F3) *

A:D42: (F3) [W1] |

A:E42: (F3) *

A:F42: (F4) [W1] |

A:G42: (F6) 186.1502

A:H42: (F4) [W1] |

A:I42: (F3) 1209.9157

A:J42: (F4) [W1] |

A:K42: (F4) [W1] @ROUND(G42*@PI/180,6)

A:L42: (F2) [W1] |

A:M42: (F0) [W1] @IF(G42>=0#AND#G42<180,@IF(G42<90,1,2),@IF(G42<270,3,4))

A:N42: (F2) [W1] |

A:O42: (F3)

@IF(M42=1#OR#M42=2,@IF(M42=1,I42*@COS(K42),-I42*@COS(@PI-K42)),@IF(M42=3,-I42*@COS(K42-@PI),I42*@COS(2*@PI-K42)))

A:P42: (F3) [W1] |

A:Q42: (F3)

@IF(M42=1#OR#M42=2,@IF(M42=1,I42*@SIN(K42),I42*@SIN(@PI-K42)),@IF(M42=3,-I42*@SIN(K42-@PI),-I42*@SIN(2*@PI-K42)))

A:R42: (F3) [W1] '|
A:S42: (F3) +C41+O42
A:T42: (F3) [W1] '|
A:U42: (F3) +E41+Q42
A:V42: (F4) [W1] '|
A:A43: {Page} 'B2
A:B43: [W1] '|
A:C43: (F3) +S42
A:D43: (F3) [W1] '|
A:E43: (F3) +U42
A:F43: (F4) [W1] '|
A:H43: (F4) [W1] '|
A:J43: (F4) [W1] '|
A:L43: (F2) [W1] '|
A:N43: (F2) [W1] '|
A:P43: (F3) [W1] '|
A:R43: (F3) [W1] '|
A:T43: (F3) [W1] '|
A:V43: (F4) [W1] '|
A:A44: {Page} *
A:B44: [W1] '|
A:C44: (F3) *
A:D44: (F3) [W1] '|
A:E44: (F3) *
A:F44: (F4) [W1] '|
A:G44: (F6) 96.1502
A:H44: (F4) [W1] '|
A:I44: (F3) 500
A:J44: (F4) [W1] '|
A:K44: (F4) [W1] @ROUND(G44*@PI/180,6)
A:L44: (F2) [W1] '|
A:M44: (F0) [W1] @IF(G44>=0#AND#G44<180,@IF(G44<90,1,2),@IF(G44<270,3,4))
A:N44: (F2) [W1] '|
A:O44: (F3)
@IF(M44=1#OR#M44=2,@IF(M44=1,I44*@COS(K44),-I44*@COS(@PI-K44)),@IF(M44=3,
-I44*@COS(K44-@PI),I44*@COS(2*@PI-K44)))
A:P44: (F3) [W1] '|
A:Q44: (F3)
@IF(M44=1#OR#M44=2,@IF(M44=1,I44*@SIN(K44),I44*@SIN(@PI-K44)),@IF(M44=3,-I
44*@SIN(K44-@PI),-I44*@SIN(2*@PI-K44)))
A:R44: (F3) [W1] '|
A:S44: (F3) +C43+O44

A:T44: (F3) [W1] '|
A:U44: (F3) +E43+Q44
A:V44: (F4) [W1] '|
A:A45: {Page} 'B3
A:B45: [W1] '|
A:C45: (F3) +S44
A:D45: (F3) [W1] '|
A:E45: (F3) +U44
A:F45: (F4) [W1] '|
A:H45: (F4) [W1] '|
A:J45: (F4) [W1] '|
A:L45: (F2) [W1] '|
A:N45: (F2) [W1] '|
A:P45: (F3) [W1] '|
A:R45: (F3) [W1] '|
A:T45: (F3) [W1] '|
A:V45: (F4) [W1] '|
A:A46: {Page} *
A:B46: [W1] '|
A:C46: (F3) *
A:D46: (F3) [W1] '|
A:E46: (F3) *
A:F46: (F4) [W1] '|
A:G46: (F6) 255.8812
A:H46: (F4) [W1] '|
A:I46: (F3) 500
A:J46: (F4) [W1] '|
A:K46: (F4) [W1] @ROUND(G46*@PI/180,6)
A:L46: (F2) [W1] '|
A:M46: (F0) [W1] @IF(G46>=0#AND#G46<180,@IF(G46<90,1,2),@IF(G46<270,3,4))
A:N46: (F2) [W1] '|
A:O46: (F3)
@IF(M46=1#OR#M46=2,@IF(M46=1,I46*@COS(K46),-I46*@COS(@PI-K46)),@IF(M46=3,
-I46*@COS(K46-@PI),I46*@COS(2*@PI-K46)))
A:P46: (F3) [W1] '|
A:Q46: (F3)
@IF(M46=1#OR#M46=2,@IF(M46=1,I46*@SIN(K46),I46*@SIN(@PI-K46)),@IF(M46=3,-I
46*@SIN(K46-@PI),-I46*@SIN(2*@PI-K46)))
A:R46: (F3) [W1] '|
A:S46: (F3) +C45+O46
A:T46: (F3) [W1] '|
A:U46: (F3) +E45+Q46

A:V46: (F4) [W1] '|
A:A47: {Page} 'B4
A:B47: [W1] '|
A:C47: (F3) +S46
A:D47: (F3) [W1] '|
A:E47: (F3) +U46
A:F47: (F4) [W1] '|
A:H47: (F4) [W1] '|
A:J47: (F4) [W1] '|
A:L47: (F2) [W1] '|
A:N47: (F2) [W1] '|
A:P47: (F3) [W1] '|
A:R47: (F3) [W1] '|
A:T47: (F3) [W1] '|
A:V47: (F4) [W1] '|
A:A48: {Page} *
A:B48: [W1] '|
A:C48: (F3) *
A:D48: (F3) [W1] '|
A:E48: (F3) *
A:F48: (F4) [W1] '|
A:G48: (F6) 165.8811
A:H48: (F4) [W1] '|
A:I48: (F3) 1711.954
A:J48: (F4) [W1] '|
A:K48: (F4) [W1] @ROUND(G48*@PI/180,6)
A:L48: (F2) [W1] '|
A:M48: (F0) [W1] @IF(G48>=0#AND#G48<180,@IF(G48<90,1,2),@IF(G48<270,3,4))
A:N48: (F2) [W1] '|
A:O48: (F3)
@IF(M48=1#OR#M48=2,@IF(M48=1,I48*@COS(K48),-I48*@COS(@PI-K48)),@IF(M48=3,
-I48*@COS(K48-@PI),I48*@COS(2*@PI-K48)))
A:P48: (F3) [W1] '|
A:Q48: (F3)
@IF(M48=1#OR#M48=2,@IF(M48=1,I48*@SIN(K48),I48*@SIN(@PI-K48)),@IF(M48=3,-I
48*@SIN(K48-@PI),-I48*@SIN(2*@PI-K48)))
A:R48: (F3) [W1] '|
A:S48: (F3) +C47+O48
A:T48: (F3) [W1] '|
A:U48: (F3) +E47+Q48
A:V48: (F4) [W1] '|
A:A49: {Page} 'B5

A:B49: [W1] '|
A:C49: (F3) +S48
A:D49: (F3) [W1] '|
A:E49: (F3) +U48
A:F49: (F4) [W1] '|
A:H49: (F4) [W1] '|
A:J49: (F4) [W1] '|
A:L49: (F2) [W1] '|
A:N49: (F2) [W1] '|
A:P49: (F3) [W1] '|
A:R49: (F3) [W1] '|
A:T49: (F3) [W1] '|
A:V49: (F4) [W1] '|
A:A50: {Page} *
A:B50: [W1] '|
A:C50: (F3) *
A:D50: (F3) [W1] '|
A:E50: (F3) *
A:F50: (F4) [W1] '|
A:G50: (F6) 75.8811
A:H50: (F4) [W1] '|
A:I50: (F3) 291.532
A:J50: (F4) [W1] '|
A:K50: (F4) [W1] @ROUND(G50*@PI/180,6)
A:L50: (F2) [W1] '|
A:M50: (F0) [W1] @IF(G50>=0#AND#G50<180,@IF(G50<90,1,2),@IF(G50<270,3,4))
A:N50: (F2) [W1] '|
A:O50: (F3)
@IF(M50=1#OR#M50=2,@IF(M50=1,I50*@COS(K50),-I50*@COS(@PI-K50)),@IF(M50=3,
-I50*@COS(K50-@PI),I50*@COS(2*@PI-K50)))
A:P50: (F3) [W1] '|
A:Q50: (F3)
@IF(M50=1#OR#M50=2,@IF(M50=1,I50*@SIN(K50),I50*@SIN(@PI-K50)),@IF(M50=3,-I
50*@SIN(K50-@PI),-I50*@SIN(2*@PI-K50)))
A:R50: (F3) [W1] '|
A:S50: (F3) +C49+O50
A:T50: (F3) [W1] '|
A:U50: (F3) +E49+Q50
A:V50: (F4) [W1] '|
A:A51: {Page} 'B9
A:B51: [W1] '|
A:C51: (F3) +S50

A:D51: (F3) [W1] '
A:E51: (F3) +U50
A:F51: (F4) [W1] '
A:H51: (F4) [W1] '
A:J51: (F4) [W1] '
A:L51: (F2) [W1] '
A:N51: (F2) [W1] '
A:P51: (F3) [W1] '
A:R51: (F3) [W1] '
A:T51: (F3) [W1] '
A:V51: (F4) [W1] '
A:A52: {Page} *
A:B52: [W1] '
A:C52: (F3) *
A:D52: (F3) [W1] '
A:E52: (F3) *
A:F52: (F4) [W1] '
A:G52: (F6) 113.2439
A:H52: (F4) [W1] '
A:I52: (F3) 291.532
A:J52: (F4) [W1] '
A:K52: (F4) [W1] @ROUND(G52*@PI/180,6)
A:L52: (F2) [W1] '
A:M52: (F0) [W1] @IF(G52>=0#AND#G52<180,@IF(G52<90,1,2),@IF(G52<270,3,4))
A:N52: (F2) [W1] '
A:O52: (F3)
@IF(M52=1#OR#M52=2,@IF(M52=1,I52*@COS(K52),-I52*@COS(@PI-K52)),@IF(M52=3,
-I52*@COS(K52-@PI),I52*@COS(2*@PI-K52)))
A:P52: (F3) [W1] '
A:Q52: (F3)
@IF(M52=1#OR#M52=2,@IF(M52=1,I52*@SIN(K52),I52*@SIN(@PI-K52)),@IF(M52=3,-I
52*@SIN(K52-@PI),-I52*@SIN(2*@PI-K52)))
A:R52: (F3) [W1] '
A:S52: (F3) +C51+O52
A:T52: (F3) [W1] '
A:U52: (F3) +E51+Q52
A:V52: (F4) [W1] '
A:A53: {Page} 'C0
A:B53: [W1] '
A:C53: (F3) +S52
A:D53: (F3) [W1] '
A:E53: (F3) +U52

A:F53: (F4) [W1] '|
A:H53: (F4) [W1] '|
A:J53: (F4) [W1] '|
A:L53: (F2) [W1] '|
A:N53: (F2) [W1] '|
A:P53: (F3) [W1] '|
A:R53: (F3) [W1] '|
A:T53: (F3) [W1] '|
A:V53: (F4) [W1] '|
A:A54: {Page} *
A:B54: [W1] '|
A:C54: (F3) *
A:D54: (F3) [W1] '|
A:E54: (F3) *
A:F54: (F4) [W1] '|
A:G54: (F6) 23.2439
A:H54: (F4) [W1] '|
A:I54: (F3) 293.189
A:J54: (F4) [W1] '|
A:K54: (F4) [W1] @ROUND(G54*@PI/180,6)
A:L54: (F2) [W1] '|
A:M54: (F0) [W1] @IF(G54>=0#AND#G54<180,@IF(G54<90,1,2),@IF(G54<270,3,4))
A:N54: (F2) [W1] '|
A:O54: (F3)
@IF(M54=1#OR#M54=2,@IF(M54=1,I54*@COS(K54),-I54*@COS(@PI-K54)),@IF(M54=3,
-I54*@COS(K54-@PI),I54*@COS(2*@PI-K54)))
A:P54: (F3) [W1] '|
A:Q54: (F3)
@IF(M54=1#OR#M54=2,@IF(M54=1,I54*@SIN(K54),I54*@SIN(@PI-K54)),@IF(M54=3,-I
54*@SIN(K54-@PI),-I54*@SIN(2*@PI-K54)))
A:R54: (F3) [W1] '|
A:S54: (F3) +C53+O54
A:T54: (F3) [W1] '|
A:U54: (F3) +E53+Q54
A:V54: (F4) [W1] '|
A:A55: {Page} 'C1
A:B55: [W1] '|
A:C55: (F3) +S54
A:D55: (F3) [W1] '|
A:E55: (F3) +U54
A:F55: (F4) [W1] '|
A:H55: (F4) [W1] '|

A:J55: (F4) [W1] '|
A:L55: (F2) [W1] '|
A:N55: (F2) [W1] '|
A:P55: (F3) [W1] '|
A:R55: (F3) [W1] '|
A:T55: (F3) [W1] '|
A:V55: (F4) [W1] '|
A:A56: {Page} *
A:B56: [W1] '|
A:C56: (F3) *
A:D56: (F3) [W1] '|
A:E56: (F3) *
A:F56: (F4) [W1] '|
A:G56: (F6) 293.2445
A:H56: (F4) [W1] '|
A:I56: (F3) 305.0001
A:J56: (F4) [W1] '|
A:K56: (F4) [W1] @ROUND(G56*@PI/180,6)
A:L56: (F2) [W1] '|
A:M56: (F0) [W1] @IF(G56>=0#AND#G56<180,@IF(G56<90,1,2),@IF(G56<270,3,4))
A:N56: (F2) [W1] '|
A:O56: (F3)
@IF(M56=1#OR#M56=2,@IF(M56=1,I56*@COS(K56),-I56*@COS(@PI-K56)),@IF(M56=3,
-I56*@COS(K56-@PI),I56*@COS(2*@PI-K56)))
A:P56: (F3) [W1] '|
A:Q56: (F3)
@IF(M56=1#OR#M56=2,@IF(M56=1,I56*@SIN(K56),I56*@SIN(@PI-K56)),@IF(M56=3,-I
56*@SIN(K56-@PI),-I56*@SIN(2*@PI-K56)))
A:R56: (F3) [W1] '|
A:S56: (F3) +C55+O56
A:T56: (F3) [W1] '|
A:U56: (F3) +E55+Q56
A:V56: (F4) [W1] '|
A:A57: {Page} 'C2
A:B57: [W1] '|
A:C57: (F3) +S56
A:D57: (F3) [W1] '|
A:E57: (F3) +U56
A:F57: (F4) [W1] '|
A:H57: (F4) [W1] '|
A:J57: (F4) [W1] '|
A:L57: (F2) [W1] '|

A:N57: (F2) [W1] '
A:P57: (F3) [W1] '
A:R57: (F3) [W1] '
A:T57: (F3) [W1] '
A:V57: (F4) [W1] '
A:A58: {Page} *
A:B58: [W1] '
A:C58: (F3) *
A:D58: (F3) [W1] '
A:E58: (F3) *
A:F58: (F4) [W1] '
A:G58: (F6) 92.9993
A:H58: (F4) [W1] '
A:I58: (F3) 304.9998
A:J58: (F4) [W1] '
A:K58: (F4) [W1] @ROUND(G58*@PI/180,6)
A:L58: (F2) [W1] '
A:M58: (F0) [W1] @IF(G58>=0#AND#G58<180,@IF(G58<90,1,2),@IF(G58<270,3,4))
A:N58: (F2) [W1] '
A:O58: (F3)
@IF(M58=1#OR#M58=2,@IF(M58=1,I58*@COS(K58),-I58*@COS(@PI-K58)),@IF(M58=3,
-I58*@COS(K58-@PI),I58*@COS(2*@PI-K58)))
A:P58: (F3) [W1] '
A:Q58: (F3)
@IF(M58=1#OR#M58=2,@IF(M58=1,I58*@SIN(K58),I58*@SIN(@PI-K58)),@IF(M58=3,-I
58*@SIN(K58-@PI),-I58*@SIN(2*@PI-K58)))
A:R58: (F3) [W1] '
A:S58: (F3) +C57+O58
A:T58: (F3) [W1] '
A:U58: (F3) +E57+Q58
A:V58: (F4) [W1] '
A:A59: {Page} 'C3
A:B59: [W1] '
A:C59: (F3) +S58
A:D59: (F3) [W1] '
A:E59: (F3) +U58
A:F59: [W1] '
A:H59: [W1] '
A:J59: [W1] '
A:L59: [W1] '
A:N59: [W1] '
A:P59: (F3) [W1] '

A:R59: (F3) [W1] '
A:T59: (F3) [W1] '
A:V59: (F4) [W1] '
A:A60: {Page} *
A:B60: [W1] '
A:C60: (F3) *
A:D60: (F3) [W1] '
A:E60: (F3) *
A:F60: (F4) [W1] '
A:G60: (F6) 3
A:H60: (F4) [W1] '
A:I60: (F3) 399.404
A:J60: (F4) [W1] '
A:K60: (F4) [W1] @ROUND(G60*@PI/180,6)
A:L60: (F2) [W1] '
A:M60: (F0) [W1] @IF(G60>=0#AND#G60<180,@IF(G60<90,1,2),@IF(G60<270,3,4))
A:N60: (F2) [W1] '
A:O60: (F3)
@IF(M60=1#OR#M60=2,@IF(M60=1,I60*@COS(K60),-I60*@COS(@PI-K60)),@IF(M60=3,
-I60*@COS(K60-@PI),I60*@COS(2*@PI-K60)))
A:P60: (F3) [W1] '
A:Q60: (F3)
@IF(M60=1#OR#M60=2,@IF(M60=1,I60*@SIN(K60),I60*@SIN(@PI-K60)),@IF(M60=3,-I
60*@SIN(K60-@PI),-I60*@SIN(2*@PI-K60)))
A:R60: (F3) [W1] '
A:S60: (F3) +C59+O60
A:T60: (F3) [W1] '
A:U60: (F3) +E59+Q60
A:V60: (F4) [W1] '
A:A61: {Page} 'C4
A:B61: [W1] '
A:C61: (F3) +S60
A:D61: (F3) [W1] '
A:E61: (F3) +U60
A:F61: (F4) [W1] '
A:H61: (F4) [W1] '
A:J61: (F4) [W1] '
A:L61: (F2) [W1] '
A:N61: (F2) [W1] '
A:P61: (F3) [W1] '
A:R61: (F3) [W1] '
A:T61: (F3) [W1] '

A:V61: (F4) [W1] '|
A:A62: {Page} *
A:B62: [W1] '|
A:C62: (F3) *
A:D62: (F3) [W1] '|
A:E62: (F3) *
A:F62: (F4) [W1] '|
A:G62: (F6) 108.0005
A:H62: (F4) [W1] '|
A:I62: (F3) 22.228
A:J62: (F4) [W1] '|
A:K62: (F4) [W1] @ROUND(G62*@PI/180,6)
A:L62: (F2) [W1] '|
A:M62: (F0) [W1] @IF(G62>=0#AND#G62<180,@IF(G62<90,1,2),@IF(G62<270,3,4))
A:N62: (F2) [W1] '|
A:O62: (F3)
@IF(M62=1#OR#M62=2,@IF(M62=1,I62*@COS(K62),-I62*@COS(@PI-K62)),@IF(M62=3,
-I62*@COS(K62-@PI),I62*@COS(2*@PI-K62)))
A:P62: (F3) [W1] '|
A:Q62: (F3)
@IF(M62=1#OR#M62=2,@IF(M62=1,I62*@SIN(K62),I62*@SIN(@PI-K62)),@IF(M62=3,-I
62*@SIN(K62-@PI),-I62*@SIN(2*@PI-K62)))
A:R62: (F3) [W1] '|
A:S62: (F3) +C61+O62
A:T62: (F3) [W1] '|
A:U62: (F3) +E61+Q62
A:V62: (F4) [W1] '|
A:A63: {Page} 'C5
A:B63: [W1] '|
A:C63: (F3) +S62
A:D63: (F3) [W1] '|
A:E63: (F3) +U62
A:F63: (F4) [W1] '|
A:H63: (F4) [W1] '|
A:J63: (F4) [W1] '|
A:L63: (F2) [W1] '|
A:N63: (F2) [W1] '|
A:P63: (F3) [W1] '|
A:R63: (F3) [W1] '|
A:T63: (F3) [W1] '|
A:V63: (F4) [W1] '|
A:A64: {Page} *

A:B64: [W1] '|
A:C64: (F3) *
A:D64: (F3) [W1] '|
A:E64: (F3) *
A:F64: (F4) [W1] '|
A:G64: (F6) 197.9994
A:H64: (F4) [W1] '|
A:I64: (F3) 25
A:J64: (F4) [W1] '|
A:K64: (F4) [W1] @ROUND(G64*@PI/180,6)
A:L64: (F2) [W1] '|
A:M64: (F0) [W1] @IF(G64>=0#AND#G64<180,@IF(G64<90,1,2),@IF(G64<270,3,4))
A:N64: (F2) [W1] '|
A:O64: (F3)
@IF(M64=1#OR#M64=2,@IF(M64=1,I64*@COS(K64),-I64*@COS(@PI-K64)),@IF(M64=3,
-I64*@COS(K64-@PI),I64*@COS(2*@PI-K64)))
A:P64: (F3) [W1] '|
A:Q64: (F3)
@IF(M64=1#OR#M64=2,@IF(M64=1,I64*@SIN(K64),I64*@SIN(@PI-K64)),@IF(M64=3,-I
64*@SIN(K64-@PI),-I64*@SIN(2*@PI-K64)))
A:R64: (F3) [W1] '|
A:S64: (F3) +C63+O64
A:T64: (F3) [W1] '|
A:U64: (F3) +E63+Q64
A:V64: (F4) [W1] '|
A:A65: {Page} 'C6
A:B65: [W1] '|
A:C65: (F3) +S64
A:D65: (F3) [W1] '|
A:E65: (F3) +U64
A:F65: (F4) [W1] '|
A:H65: (F4) [W1] '|
A:J65: (F4) [W1] '|
A:L65: (F2) [W1] '|
A:N65: (F2) [W1] '|
A:P65: (F3) [W1] '|
A:R65: (F3) [W1] '|
A:T65: (F3) [W1] '|
A:V65: (F4) [W1] '|
A:A66: {Page} *
A:B66: [W1] '|
A:C66: (F3) *

A:D66: (F3) [W1] '|
A:E66: (F3) *
A:F66: (F4) [W1] '|
A:G66: (F6) 93.0013
A:H66: (F4) [W1] '|
A:I66: (F3) 25
A:J66: (F4) [W1] '|
A:K66: (F4) [W1] @ROUND(G66*@PI/180,6)
A:L66: (F2) [W1] '|
A:M66: (F0) [W1] @IF(G66>=0#AND#G66<180,@IF(G66<90,1,2),@IF(G66<270,3,4))
A:N66: (F2) [W1] '|
A:O66: (F3)
@IF(M66=1#OR#M66=2,@IF(M66=1,I66*@COS(K66),-I66*@COS(@PI-K66)),@IF(M66=3,
-I66*@COS(K66-@PI),I66*@COS(2*@PI-K66)))
A:P66: (F3) [W1] '|
A:Q66: (F3)
@IF(M66=1#OR#M66=2,@IF(M66=1,I66*@SIN(K66),I66*@SIN(@PI-K66)),@IF(M66=3,-I
66*@SIN(K66-@PI),-I66*@SIN(2*@PI-K66)))
A:R66: (F3) [W1] '|
A:S66: (F3) +C65+O66
A:T66: (F3) [W1] '|
A:U66: (F3) +E65+Q66
A:V66: (F4) [W1] '|
A:A67: {Page} 'C7
A:B67: [W1] '|
A:C67: (F3) +S66
A:D67: (F3) [W1] '|
A:E67: (F3) +U66
A:F67: (F4) [W1] '|
A:H67: (F4) [W1] '|
A:J67: (F4) [W1] '|
A:L67: (F2) [W1] '|
A:N67: (F2) [W1] '|
A:P67: (F3) [W1] '|
A:R67: (F3) [W1] '|
A:T67: (F3) [W1] '|
A:V67: (F4) [W1] '|
A:A68: {Page} *
A:B68: [W1] '|
A:C68: (F3) *
A:D68: (F3) [W1] '|
A:E68: (F3) *

A:F68: (F4) [W1] '|
A:G68: (F6) 3
A:H68: (F4) [W1] '|
A:I68: (F4) 2345.506
A:J68: (F4) [W1] '|
A:K68: (F4) [W1] @ROUND(G68*@PI/180,6)
A:L68: (F2) [W1] '|
A:M68: (F0) [W1] @IF(G68>=0#AND#G68<180,@IF(G68<90,1,2),@IF(G68<270,3,4))
A:N68: (F2) [W1] '|
A:O68: (F3)
@IF(M68=1#OR#M68=2,@IF(M68=1,I68*@COS(K68),-I68*@COS(@PI-K68)),@IF(M68=3,
-I68*@COS(K68-@PI),I68*@COS(2*@PI-K68)))
A:P68: (F3) [W1] '|
A:Q68: (F3)
@IF(M68=1#OR#M68=2,@IF(M68=1,I68*@SIN(K68),I68*@SIN(@PI-K68)),@IF(M68=3,-I
68*@SIN(K68-@PI),-I68*@SIN(2*@PI-K68)))
A:R68: (F3) [W1] '|
A:S68: (F3) +C67+O68
A:T68: (F3) [W1] '|
A:U68: (F3) +E67+Q68
A:V68: (F4) [W1] '|
A:A69: {Page} 'C8 (CLOSE)
A:B69: [W1] '|
A:C69: (F3) +S68
A:D69: (F3) [W1] '|
A:E69: (F3) +U68
A:F69: (F4) [W1] '|
A:H69: (F4) [W1] '|
A:J69: (F4) [W1] '|
A:L69: (F2) [W1] '|
A:N69: (F2) [W1] '|
A:P69: (F3) [W1] '|
A:R69: (F3) [W1] '|
A:T69: (F3) [W1] '|
A:V69: (F4) [W1] '|

Attachment II

Cell Contents of Spreadsheet
used to
Generate Table 7-2

(Includes a copy of the table with rows/columns labeled)

A	A	B	C	D	E	F	G	H	I	JKLMN	O	P	Q	R	S	T	U	V
1	LOBLKTRV.WK1																	
2																		
3																		
4	Enter	Enter	Enter	Enter	Enter										Read	Read		
5	Point	1st Northing	1st Easting	1st Easting	Azimuths				Horizontal						Subsequent	Subsequent		
6	Number				(Dec. Deg.				Distance						Northings	Eastings		
7		Read	Read		from				to									
8		Subsequent	Subsequent		North)				Next Point									
9		Northings	Eastings															
10																		
11		INPUTS													NEXT POINT COORDS			
12	POINT	NORTH	EAST		AZIMUTH				HORIZ DIST		dN	dE			NORTH	EAST		
13																		
14																		
15																		
16																		
17	H1	233702.003	171563.932															
18							183.000000		1211.2740	** **	-1209.614	-63.394			232492.389	171500.538		
19	D6	232492.389	171500.538															
20							183.000000		365.6370	** **	-365.136	-19.136			232127.253	171481.402		
21	D7	232127.253	171481.402															
22							93.000000		150.0000	** **	-7.850	149.794			232119.403	171631.197		
23	D8	232119.403	171631.197															
24							117.878600		150.0000	** **	-70.140	132.591			232049.263	171763.788		
25	D9	232049.263	171763.788															
26							27.878300		1110.4040	** **	981.534	519.219			233030.796	172283.007		
27	E0	233030.796	172283.007															
28							297.878200		305.0000	** **	142.616	-269.603			233173.412	172013.404		
29	E1	233173.412	172013.404															
30							54.843900		305.0000	** **	175.621	249.364			233349.033	172262.768		
31	E2	233349.033	172262.768															
32							324.843900		889.0800	** **	726.900	-511.937			234075.933	171750.831		
33	C9	234075.933	171750.831															
34							234.843900		115.0960	** **	-66.273	-94.101			234009.660	171656.730		
35	D0	234009.660	171656.730															
36							144.843900		305.0000	** **	-249.364	175.621			233760.296	171832.351		
37	D1	233760.296	171832.351															
38							273.000000		305.000000	** **	15.963	-304.582			233776.259	171527.769		
39	D2	233776.259	171527.769															
40							182.997600		42.3570	** **	-42.299	-2.215			233733.960	171525.553		
41	H4	233733.960	171525.553															
42							93.001300		25.0000	** **	-1.309	24.966			233732.651	171550.519		
43	H3	233732.651	171550.519															
44							198.000800		25.0000	** **	-23.776	-7.726			233708.874	171542.793		
45	H2	233708.874	171542.793															
46							108.000500		22.2280	** **	-6.869	21.140			233702.005	171563.933		
47	H1 (CLOSE)	233702.005	171563.933															

A:A1: {Page 1/1} 'LOBLKTRV.WK1
A:E1: {Page Arial MT14} 'TABLE 7-2 - LOWER BLOCK HORIZONTAL TRAVERSE
A:A2: {Page} _
A:B2: [W1] '
A:C2: _
A:D2: [W1] '
A:E2: _
A:F2: [W1] '
A:G2: _
A:H2: [W1] '
A:I2: _
A:J2: [W1] '
A:O2: _
A:P2: [W1] '
A:Q2: _
A:R2: [W1] '
A:S2: _
A:T2: [W1] '
A:U2: _
A:V2: [W1] '
A:A3: {Page} ^Enter
A:B3: [W1] \\
A:C3: ^Enter
A:D3: [W1] \\
A:E3: ^Enter
A:F3: [W1] \\
A:G3: ^Enter
A:H3: [W1] \\
A:I3: ^Enter
A:J3: [W1] \\
A:N3: [W1] \\
A:O3: '
A:P3: [W1] \\
A:Q3: '
A:R3: [W1] \\
A:S3: '
A:T3: [W1] \\
A:U3: '
A:V3: [W1] \\
A:A4: {Page} ^Point
A:B4: [W1] \\
A:C4: '1st Northing

A:D4: [W1] \\
A:E4: '1st Easting
A:F4: [W1] \\
A:G4: ^Azimuths
A:H4: [W1] \\
A:I4: ^Horizontal
A:J4: [W1] \\
A:N4: [W1] \\
A:P4: [W1] \\
A:R4: [W1] \\
A:S4: ^Read
A:T4: [W1] \\
A:U4: ^Read
A:V4: [W1] \\
A:A5: {Page} ^Number
A:B5: [W1] \\
A:C5: \-
A:D5: [W1] \\
A:E5: \-
A:F5: [W1] \\
A:G5: ^ (Dec. Deg.
A:H5: [W1] \\
A:I5: ^Distance
A:J5: [W1] \\
A:N5: [W1] \\
A:P5: [W1] \\
A:R5: [W1] \\
A:S5: ^Subsequent
A:T5: [W1] \\
A:U5: ^Subsequent
A:V5: [W1] \\
A:B6: [W1] \\
A:C6: ^Read
A:D6: [W1] \\
A:E6: ^Read
A:F6: [W1] \\
A:G6: ^from
A:H6: [W1] \\
A:I6: ^to
A:J6: [W1] \\
A:N6: [W1] \\
A:P6: [W1] \\

A:R6: [W1] \\
A:S6: ^Northings
A:T6: [W1] \\
A:U6: ^Eastings
A:V6: [W1] \\
A:B7: [W1] \\
A:C7: ^Subsequent
A:D7: [W1] \\
A:E7: ^Subsequent
A:F7: [W1] \\
A:G7: ^North)
A:H7: [W1] \\
A:I7: ^Next Point
A:J7: [W1] \\
A:N7: [W1] \\
A:P7: [W1] \\
A:R7: [W1] \\
A:T7: [W1] \\
A:V7: [W1] \\
A:A8: {Page} _
A:B8: [W1] \\
A:C8: ^Northings
A:D8: [W1] \\
A:E8: ^Eastings
A:F8: [W1] \\
A:G8: _
A:H8: [W1] \\
A:I8: _
A:J8: [W1] \\
A:N8: [W1] \\
A:O8: _
A:P8: [W1] \\
A:Q8: _
A:R8: [W1] \\
A:S8: _
A:T8: [W1] \\
A:U8: _
A:V8: [W1] \\
A:A9: {Page} '
A:C10: "INPUTS
A:S10: ^NEXT POINT COORDS
A:A11: {Page} \=

A:B11: [W1] '=
A:C11: \=
A:D11: [W1] '=
A:E11: \=
A:F11: [W1] '=
A:G11: \=
A:H11: [W1] '=
A:I11: \=
A:J11: [W1] '=
A:R11: [W1] '=
A:S11: \=
A:T11: [W1] '=
A:U11: \=
A:V11: [W1] '=
A:A12: {Page} ^POINT
A:C12: ^NORTH
A:E12: ^EAST
A:G12: ^AZIMUTH
A:I12: ^HORIZ DIST
A:J12: [W1] '|
A:O12: ^dN
A:Q12: ^dE
A:R12: [W1] '|
A:S12: ^NORTH
A:U12: ^EAST
A:A13: {Page} \=
A:B13: [W1] '=
A:C13: \=
A:D13: [W1] '=
A:E13: \=
A:F13: [W1] '=
A:G13: \=
A:H13: [W1] '=
A:I13: \=
A:J13: [W1] '=
A:K13: [W1] \=
A:L13: [W1] '=
A:M13: [W1] \=
A:N13: [W1] '=
A:O13: \=
A:P13: [W1] '=
A:Q13: \=

A:R13: [W1] '='
A:S13: \=
A:T13: [W1] '='
A:U13: \=
A:V13: [W1] '='
A:A15: {Page} '
A:C15: '
A:E15: '
A:A16: {Page} *
A:B16: [W1] '|'
A:C16: (F4) *
A:D16: (F4) [W1] '|'
A:E16: (F4) *
A:F16: (F4) [W1] '|'
A:G16: (F6) '
A:H16: (F4) [W1] '|'
A:I16: (F4) '
A:J16: (F4) [W1] '|'
A:K16: (F4) [W1] '
A:L16: (F2) [W1] '|'
A:M16: (F0) [W1] '
A:N16: (F2) [W1] '|'
A:O16: (F4) '
A:P16: (F4) [W1] '|'
A:Q16: (F4) '
A:R16: (F2) [W1] '|'
A:S16: (F4) '
A:T16: (F4) [W1] '|'
A:U16: (F4) '
A:V16: (F4) [W1] '|'
A:A17: {Page} 'H1
A:B17: [W1] '|'
A:C17: (F3) 233702.003
A:D17: (F3) [W1] '|'
A:E17: (F3) 171563.932
A:F17: (F4) [W1] '|'
A:H17: (F4) [W1] '|'
A:J17: (F4) [W1] '|'
A:L17: (F2) [W1] '|'
A:N17: (F2) [W1] '|'
A:P17: (F3) [W1] '|'
A:R17: (F3) [W1] '|'

A:T17: (F3) [W1] '|
A:V17: (F4) [W1] '|
A:A18: {Page} *
A:B18: [W1] '|
A:C18: (F3) *
A:D18: (F3) [W1] '|
A:E18: (F3) *
A:F18: (F4) [W1] '|
A:G18: (F6) 183
A:H18: (F4) [W1] '|
A:I18: (F4) 1211.274
A:J18: (F4) [W1] '|
A:K18: (F4) [W1] @ROUND(G18*@PI/180,6)
A:L18: (F2) [W1] '|
A:M18: (F0) [W1] @IF(G18>=0#AND#G18<180,@IF(G18<90,1,2),@IF(G18<270,3,4))
A:N18: (F2) [W1] '|
A:O18: (F3)
@IF(M18=1#OR#M18=2,@IF(M18=1,I18*@COS(K18),-I18*@COS(@PI-K18)),@IF(M18=3,
-I18*@COS(K18-@PI),I18*@COS(2*@PI-K18)))
A:P18: (F3) [W1] '|
A:Q18: (F3)
@IF(M18=1#OR#M18=2,@IF(M18=1,I18*@SIN(K18),I18*@SIN(@PI-K18)),@IF(M18=3,-I
18*@SIN(K18-@PI),-I18*@SIN(2*@PI-K18)))
A:R18: (F3) [W1] '|
A:S18: (F3) +C17+O18
A:T18: (F3) [W1] '|
A:U18: (F3) +E17+Q18
A:V18: (F4) [W1] '|
A:A19: {Page} 'D6
A:B19: [W1] '|
A:C19: (F3) +S18
A:D19: (F3) [W1] '|
A:E19: (F3) +U18
A:F19: (F4) [W1] '|
A:H19: (F4) [W1] '|
A:J19: (F4) [W1] '|
A:L19: (F2) [W1] '|
A:N19: (F2) [W1] '|
A:P19: (F3) [W1] '|
A:R19: (F3) [W1] '|
A:T19: (F3) [W1] '|
A:V19: (F4) [W1] '|

A:A20: {Page} *
A:B20: [W1] '|
A:C20: (F3) *
A:D20: (F3) [W1] '|
A:E20: (F3) *
A:F20: (F4) [W1] '|
A:G20: (F6) 183
A:H20: (F4) [W1] '|
A:I20: (F4) 365.637
A:J20: (F4) [W1] '|
A:K20: (F4) [W1] @ROUND(G20*@PI/180,6)
A:L20: (F2) [W1] '|
A:M20: (F0) [W1] @IF(G20>=0#AND#G20<180,@IF(G20<90,1,2),@IF(G20<270,3,4))
A:N20: (F2) [W1] '|
A:O20: (F3)
@IF(M20=1#OR#M20=2,@IF(M20=1,I20*@COS(K20),-I20*@COS(@PI-K20)),@IF(M20=3,
-I20*@COS(K20-@PI),I20*@COS(2*@PI-K20)))
A:P20: (F3) [W1] '|
A:Q20: (F3)
@IF(M20=1#OR#M20=2,@IF(M20=1,I20*@SIN(K20),I20*@SIN(@PI-K20)),@IF(M20=3,-I
20*@SIN(K20-@PI),-I20*@SIN(2*@PI-K20)))
A:R20: (F3) [W1] '|
A:S20: (F3) +C19+O20
A:T20: (F3) [W1] '|
A:U20: (F3) +E19+Q20
A:V20: (F4) [W1] '|
A:A21: {Page} 'D7
A:B21: [W1] '|
A:C21: (F3) +S20
A:D21: (F3) [W1] '|
A:E21: (F3) +U20
A:F21: (F4) [W1] '|
A:H21: (F4) [W1] '|
A:J21: (F4) [W1] '|
A:L21: (F2) [W1] '|
A:N21: (F2) [W1] '|
A:P21: (F3) [W1] '|
A:R21: (F3) [W1] '|
A:T21: (F3) [W1] '|
A:V21: (F4) [W1] '|
A:A22: {Page} *
A:B22: [W1] '|

A:C22: (F3) *
A:D22: (F3) [W1] '|
A:E22: (F3) *
A:F22: (F4) [W1] '|
A:G22: (F6) 93
A:H22: (F4) [W1] '|
A:I22: (F4) 150
A:J22: (F4) [W1] '|
A:K22: (F4) [W1] @ROUND(G22*@PI/180,6)
A:L22: (F2) [W1] '|
A:M22: (F0) [W1] @IF(G22>=0#AND#G22<180,@IF(G22<90,1,2),@IF(G22<270,3,4))
A:N22: (F2) [W1] '|
A:O22: (F3)
@IF(M22=1#OR#M22=2,@IF(M22=1,I22*@COS(K22),-I22*@COS(@PI-K22)),@IF(M22=3,
-I22*@COS(K22-@PI),I22*@COS(2*@PI-K22)))
A:P22: (F3) [W1] '|
A:Q22: (F3)
@IF(M22=1#OR#M22=2,@IF(M22=1,I22*@SIN(K22),I22*@SIN(@PI-K22)),@IF(M22=3,-I
22*@SIN(K22-@PI),-I22*@SIN(2*@PI-K22)))
A:R22: (F3) [W1] '|
A:S22: (F3) +C21+O22
A:T22: (F3) [W1] '|
A:U22: (F3) +E21+Q22
A:V22: (F4) [W1] '|
A:A23: {Page} 'D8
A:B23: [W1] '|
A:C23: (F3) +S22
A:D23: (F3) [W1] '|
A:E23: (F3) +U22
A:F23: (F4) [W1] '|
A:H23: (F4) [W1] '|
A:J23: (F4) [W1] '|
A:L23: (F2) [W1] '|
A:N23: (F2) [W1] '|
A:P23: (F3) [W1] '|
A:R23: (F3) [W1] '|
A:T23: (F3) [W1] '|
A:V23: (F4) [W1] '|
A:A24: {Page} *
A:B24: [W1] '|
A:C24: (F3) *
A:D24: (F3) [W1] '|

A:E24: (F3) *
A:F24: (F4) [W1] '
A:G24: (F6) 117.8786
A:H24: (F4) [W1] '
A:I24: (F4) 150
A:J24: (F4) [W1] '
A:K24: (F4) [W1] @ROUND(G24*@PI/180,6)
A:L24: (F2) [W1] '
A:M24: (F0) [W1] @IF(G24>=0#AND#G24<180,@IF(G24<90,1,2),@IF(G24<270,3,4))
A:N24: (F2) [W1] '
A:O24: (F3)
@IF(M24=1#OR#M24=2,@IF(M24=1,I24*@COS(K24),-I24*@COS(@PI-K24)),@IF(M24=3,
-I24*@COS(K24-@PI),I24*@COS(2*@PI-K24)))
A:P24: (F3) [W1] '
A:Q24: (F3)
@IF(M24=1#OR#M24=2,@IF(M24=1,I24*@SIN(K24),I24*@SIN(@PI-K24)),@IF(M24=3,-I
24*@SIN(K24-@PI),-I24*@SIN(2*@PI-K24)))
A:R24: (F3) [W1] '
A:S24: (F3) +C23+O24
A:T24: (F3) [W1] '
A:U24: (F3) +E23+Q24
A:V24: (F4) [W1] '
A:A25: {Page} 'D9
A:B25: [W1] '
A:C25: (F3) +S24
A:D25: (F3) [W1] '
A:E25: (F3) +U24
A:F25: (F4) [W1] '
A:H25: (F4) [W1] '
A:J25: (F4) [W1] '
A:L25: (F2) [W1] '
A:N25: (F2) [W1] '
A:P25: (F3) [W1] '
A:R25: (F3) [W1] '
A:T25: (F3) [W1] '
A:V25: (F4) [W1] '
A:A26: {Page} *
A:B26: [W1] '
A:C26: (F3) *
A:D26: (F3) [W1] '
A:E26: (F3) *
A:F26: (F4) [W1] '

A:G26: (F6) 27.8783
A:H26: (F4) [W1] '|
A:I26: (F4) 1110.404
A:J26: (F4) [W1] '|
A:K26: (F4) [W1] @ROUND(G26*@PI/180,6)
A:L26: (F2) [W1] '|
A:M26: (F0) [W1] @IF(G26>=0#AND#G26<180,@IF(G26<90,1,2),@IF(G26<270,3,4))
A:N26: (F2) [W1] '|
A:O26: (F3)
@IF(M26=1#OR#M26=2,@IF(M26=1,I26*@COS(K26),-I26*@COS(@PI-K26)),@IF(M26=3,
-I26*@COS(K26-@PI),I26*@COS(2*@PI-K26)))
A:P26: (F3) [W1] '|
A:Q26: (F3)
@IF(M26=1#OR#M26=2,@IF(M26=1,I26*@SIN(K26),I26*@SIN(@PI-K26)),@IF(M26=3,-I
26*@SIN(K26-@PI),-I26*@SIN(2*@PI-K26)))
A:R26: (F3) [W1] '|
A:S26: (F3) +C25+O26
A:T26: (F3) [W1] '|
A:U26: (F3) +E25+Q26
A:V26: (F4) [W1] '|
A:A27: {Page} 'E0
A:B27: [W1] '|
A:C27: (F3) +S26
A:D27: (F3) [W1] '|
A:E27: (F3) +U26
A:F27: (F4) [W1] '|
A:H27: (F4) [W1] '|
A:J27: (F4) [W1] '|
A:L27: (F2) [W1] '|
A:N27: (F2) [W1] '|
A:P27: (F3) [W1] '|
A:R27: (F3) [W1] '|
A:T27: (F3) [W1] '|
A:V27: (F4) [W1] '|
A:A28: {Page} *
A:B28: [W1] '|
A:C28: (F3) *
A:D28: (F3) [W1] '|
A:E28: (F3) *
A:F28: (F4) [W1] '|
A:G28: (F6) 297.8782
A:H28: (F4) [W1] '|

A:I28: (F4) 305
A:J28: (F4) [W1] '|
A:K28: (F4) [W1] @ROUND(G28*@PI/180,6)
A:L28: (F2) [W1] '|
A:M28: (F0) [W1] @IF(G28>=0#AND#G28<180,@IF(G28<90,1,2),@IF(G28<270,3,4))
A:N28: (F2) [W1] '|
A:O28: (F3)
@IF(M28=1#OR#M28=2,@IF(M28=1,I28*@COS(K28),-I28*@COS(@PI-K28)),@IF(M28=3,
-I28*@COS(K28-@PI),I28*@COS(2*@PI-K28)))
A:P28: (F3) [W1] '|
A:Q28: (F3)
@IF(M28=1#OR#M28=2,@IF(M28=1,I28*@SIN(K28),I28*@SIN(@PI-K28)),@IF(M28=3,-I
28*@SIN(K28-@PI),-I28*@SIN(2*@PI-K28)))
A:R28: (F3) [W1] '|
A:S28: (F3) +C27+O28
A:T28: (F3) [W1] '|
A:U28: (F3) +E27+Q28
A:V28: (F4) [W1] '|
A:A29: {Page} 'E1
A:B29: [W1] '|
A:C29: (F3) +S28
A:D29: (F3) [W1] '|
A:E29: (F3) +U28
A:F29: (F4) [W1] '|
A:H29: (F4) [W1] '|
A:J29: (F4) [W1] '|
A:L29: (F2) [W1] '|
A:N29: (F2) [W1] '|
A:P29: (F3) [W1] '|
A:R29: (F3) [W1] '|
A:T29: (F3) [W1] '|
A:V29: (F4) [W1] '|
A:A30: {Page} *
A:B30: [W1] '|
A:C30: (F3) *
A:D30: (F3) [W1] '|
A:E30: (F3) *
A:F30: (F4) [W1] '|
A:G30: (F6) 54.8439
A:H30: (F4) [W1] '|
A:I30: (F4) 305
A:J30: (F4) [W1] '|

A:K30: (F4) [W1] @ROUND(G30*@PI/180,6)
A:L30: (F2) [W1] '|
A:M30: (F0) [W1] @IF(G30>=0#AND#G30<180,@IF(G30<90,1,2),@IF(G30<270,3,4))
A:N30: (F2) [W1] '|
A:O30: (F3)
@IF(M30=1#OR#M30=2,@IF(M30=1,I30*@COS(K30),-I30*@COS(@PI-K30)),@IF(M30=3,
-I30*@COS(K30-@PI),I30*@COS(2*@PI-K30)))
A:P30: (F3) [W1] '|
A:Q30: (F3)
@IF(M30=1#OR#M30=2,@IF(M30=1,I30*@SIN(K30),I30*@SIN(@PI-K30)),@IF(M30=3,-I
30*@SIN(K30-@PI),-I30*@SIN(2*@PI-K30)))
A:R30: (F3) [W1] '|
A:S30: (F3) +C29+O30
A:T30: (F3) [W1] '|
A:U30: (F3) +E29+Q30
A:V30: (F4) [W1] '|
A:A31: {Page} 'E2
A:B31: [W1] '|
A:C31: (F3) +S30
A:D31: (F3) [W1] '|
A:E31: (F3) +U30
A:F31: (F4) [W1] '|
A:H31: (F4) [W1] '|
A:J31: (F4) [W1] '|
A:L31: (F2) [W1] '|
A:N31: (F2) [W1] '|
A:P31: (F3) [W1] '|
A:R31: (F3) [W1] '|
A:T31: (F3) [W1] '|
A:V31: (F4) [W1] '|
A:A32: {Page} *
A:B32: [W1] '|
A:C32: (F3) *
A:D32: (F3) [W1] '|
A:E32: (F3) *
A:F32: (F4) [W1] '|
A:G32: (F6) 324.8439
A:H32: (F4) [W1] '|
A:I32: (F4) 889.08
A:J32: (F4) [W1] '|
A:K32: (F4) [W1] @ROUND(G32*@PI/180,6)
A:L32: (F2) [W1] '|

A:M32: (F0) [W1] @IF(G32>=0#AND#G32<180,@IF(G32<90,1,2),@IF(G32<270,3,4))
A:N32: (F2) [W1] '
A:O32: (F3)
@IF(M32=1#OR#M32=2,@IF(M32=1,I32*@COS(K32),-I32*@COS(@PI-K32)),@IF(M32=3,
-I32*@COS(K32-@PI),I32*@COS(2*@PI-K32)))
A:P32: (F3) [W1] '
A:Q32: (F3)
@IF(M32=1#OR#M32=2,@IF(M32=1,I32*@SIN(K32),I32*@SIN(@PI-K32)),@IF(M32=3,-I
32*@SIN(K32-@PI),-I32*@SIN(2*@PI-K32)))
A:R32: (F3) [W1] '
A:S32: (F3) +C31+O32
A:T32: (F3) [W1] '
A:U32: (F3) +E31+Q32
A:V32: (F4) [W1] '
A:A33: {Page} 'C9
A:B33: [W1] '
A:C33: (F3) +S32
A:D33: (F3) [W1] '
A:E33: (F3) +U32
A:F33: (F4) [W1] '
A:H33: (F4) [W1] '
A:J33: (F4) [W1] '
A:L33: (F2) [W1] '
A:N33: (F2) [W1] '
A:P33: (F3) [W1] '
A:R33: (F3) [W1] '
A:T33: (F3) [W1] '
A:V33: (F4) [W1] '
A:A34: {Page} *
A:B34: [W1] '
A:C34: (F3) *
A:D34: (F3) [W1] '
A:E34: (F3) *
A:F34: (F4) [W1] '
A:G34: (F6) 234.8439
A:H34: (F4) [W1] '
A:I34: (F4) 115.096
A:J34: (F4) [W1] '
A:K34: (F4) [W1] @ROUND(G34*@PI/180,6)
A:L34: (F2) [W1] '
A:M34: (F0) [W1] @IF(G34>=0#AND#G34<180,@IF(G34<90,1,2),@IF(G34<270,3,4))
A:N34: (F2) [W1] '

A:O34: (F3)
@IF(M34=1#OR#M34=2,@IF(M34=1,I34*@COS(K34),-I34*@COS(@PI-K34)),@IF(M34=3,
-I34*@COS(K34-@PI),I34*@COS(2*@PI-K34)))
A:P34: (F3) [W1] "
A:Q34: (F3)
@IF(M34=1#OR#M34=2,@IF(M34=1,I34*@SIN(K34),I34*@SIN(@PI-K34)),@IF(M34=3,-I
34*@SIN(K34-@PI),-I34*@SIN(2*@PI-K34)))
A:R34: (F3) [W1] "
A:S34: (F3) +C33+O34
A:T34: (F3) [W1] "
A:U34: (F3) +E33+Q34
A:V34: (F4) [W1] "
A:A35: {Page} 'D0
A:B35: [W1] "
A:C35: (F3) +S34
A:D35: (F3) [W1] "
A:E35: (F3) +U34
A:F35: (F4) [W1] "
A:H35: (F4) [W1] "
A:J35: (F4) [W1] "
A:L35: (F2) [W1] "
A:N35: (F2) [W1] "
A:P35: (F3) [W1] "
A:R35: (F3) [W1] "
A:T35: (F3) [W1] "
A:V35: (F4) [W1] "
A:A36: {Page} \
A:B36: [W1] "
A:C36: (F3) \
A:D36: (F3) [W1] "
A:E36: (F3) \
A:F36: (F4) [W1] "
A:G36: (F6) 144.8439
A:H36: (F4) [W1] "
A:I36: (F4) 305
A:J36: (F4) [W1] "
A:K36: (F4) [W1] @ROUND(G36*@PI/180,6)
A:L36: (F2) [W1] "
A:M36: (F0) [W1] @IF(G36>=0#AND#G36<180,@IF(G36<90,1,2),@IF(G36<270,3,4))
A:N36: (F2) [W1] "
A:O36: (F3)
@IF(M36=1#OR#M36=2,@IF(M36=1,I36*@COS(K36),-I36*@COS(@PI-K36)),@IF(M36=3,

-I36*@COS(K36-@PI),I36*@COS(2*@PI-K36)))
A:P36: (F3) [W1] '|
A:Q36: (F3)
@IF(M36=1#OR#M36=2,@IF(M36=1,I36*@SIN(K36),I36*@SIN(@PI-K36)),@IF(M36=3,-I
36*@SIN(K36-@PI),-I36*@SIN(2*@PI-K36)))
A:R36: (F3) [W1] '|
A:S36: (F3) +C35+O36
A:T36: (F3) [W1] '|
A:U36: (F3) +E35+Q36
A:V36: (F4) [W1] '|
A:A37: {Page} 'D1
A:B37: [W1] '|
A:C37: (F3) +S36
A:D37: (F3) [W1] '|
A:E37: (F3) +U36
A:F37: [W1] '|
A:H37: [W1] '|
A:J37: [W1] '|
A:L37: [W1] '|
A:N37: [W1] '|
A:P37: (F3) [W1] '|
A:R37: (F3) [W1] '|
A:T37: (F3) [W1] '|
A:V37: (F4) [W1] '|
A:A38: {Page} *
A:B38: [W1] '|
A:C38: (F3) *
A:D38: (F3) [W1] '|
A:E38: (F3) *
A:F38: (F4) [W1] '|
A:G38: (F6) 273
A:H38: (F4) [W1] '|
A:I38: (F6) 305
A:J38: (F4) [W1] '|
A:K38: (F4) [W1] @ROUND(G38*@PI/180,6)
A:L38: (F2) [W1] '|
A:M38: (F0) [W1] @IF(G38>=0#AND#G38<180,@IF(G38<90,1,2),@IF(G38<270,3,4))
A:N38: (F2) [W1] '|
A:O38: (F3)
@IF(M38=1#OR#M38=2,@IF(M38=1,I38*@COS(K38),-I38*@COS(@PI-K38)),@IF(M38=3,
-I38*@COS(K38-@PI),I38*@COS(2*@PI-K38)))
A:P38: (F3) [W1] '|

A:Q38: (F3)

@IF(M38=1#OR#M38=2,@IF(M38=1,I38*@SIN(K38),I38*@SIN(@PI-K38)),@IF(M38=3,-I38*@SIN(K38-@PI),-I38*@SIN(2*@PI-K38)))

A:R38: (F3) [W1] '|

A:S38: (F3) +C37+O38

A:T38: (F3) [W1] '|

A:U38: (F3) +E37+Q38

A:V38: (F4) [W1] '|

A:A39: {Page} 'D2

A:B39: [W1] '|

A:C39: (F3) +S38

A:D39: (F3) [W1] '|

A:E39: (F3) +U38

A:F39: (F4) [W1] '|

A:H39: (F4) [W1] '|

A:J39: (F4) [W1] '|

A:L39: (F2) [W1] '|

A:N39: (F2) [W1] '|

A:P39: (F3) [W1] '|

A:R39: (F3) [W1] '|

A:T39: (F3) [W1] '|

A:V39: (F4) [W1] '|

A:A40: {Page} *

A:B40: [W1] '|

A:C40: (F3) *

A:D40: (F3) [W1] '|

A:E40: (F3) *

A:F40: (F4) [W1] '|

A:G40: (F6) 182.9976

A:H40: (F4) [W1] '|

A:I40: (F4) 42.357

A:J40: (F4) [W1] '|

A:K40: (F4) [W1] @ROUND(G40*@PI/180,6)

A:L40: (F2) [W1] '|

A:M40: (F0) [W1] @IF(G40>=0#AND#G40<180,@IF(G40<90,1,2),@IF(G40<270,3,4))

A:N40: (F2) [W1] '|

A:O40: (F3)

@IF(M40=1#OR#M40=2,@IF(M40=1,I40*@COS(K40),-I40*@COS(@PI-K40)),@IF(M40=3,-I40*@COS(K40-@PI),I40*@COS(2*@PI-K40)))

A:P40: (F3) [W1] '|

A:Q40: (F3)

@IF(M40=1#OR#M40=2,@IF(M40=1,I40*@SIN(K40),I40*@SIN(@PI-K40)),@IF(M40=3,-I

40*@SIN(K40-@PI),-I40*@SIN(2*@PI-K40)))

A:R40: (F3) [W1] '|

A:S40: (F3) +C39+O40

A:T40: (F3) [W1] '|

A:U40: (F3) +E39+Q40

A:V40: (F4) [W1] '|

A:A41: {Page} 'H4

A:B41: [W1] '|

A:C41: (F3) +S40

A:D41: (F3) [W1] '|

A:E41: (F3) +U40

A:F41: (F4) [W1] '|

A:H41: (F4) [W1] '|

A:J41: (F4) [W1] '|

A:L41: (F2) [W1] '|

A:N41: (F2) [W1] '|

A:P41: (F3) [W1] '|

A:R41: (F3) [W1] '|

A:T41: (F3) [W1] '|

A:V41: (F4) [W1] '|

A:A42: {Page} *

A:B42: [W1] '|

A:C42: (F3) *

A:D42: (F3) [W1] '|

A:E42: (F3) *

A:F42: (F4) [W1] '|

A:G42: (F6) 93.0013

A:H42: (F4) [W1] '|

A:I42: (F4) 25

A:J42: (F4) [W1] '|

A:K42: (F4) [W1] @ROUND(G42*@PI/180,6)

A:L42: (F2) [W1] '|

A:M42: (F0) [W1] @IF(G42>=0#AND#G42<180,@IF(G42<90,1,2),@IF(G42<270,3,4))

A:N42: (F2) [W1] '|

A:O42: (F3)

@IF(M42=1#OR#M42=2,@IF(M42=1,I42*@COS(K42),-I42*@COS(@PI-K42)),@IF(M42=3,-I42*@COS(K42-@PI),I42*@COS(2*@PI-K42)))

A:P42: (F3) [W1] '|

A:Q42: (F3)

@IF(M42=1#OR#M42=2,@IF(M42=1,I42*@SIN(K42),I42*@SIN(@PI-K42)),@IF(M42=3,-I42*@SIN(K42-@PI),-I42*@SIN(2*@PI-K42)))

A:R42: (F3) [W1] '|

A:S42: (F3) +C41+O42
A:T42: (F3) [W1] '|
A:U42: (F3) +E41+Q42
A:V42: (F4) [W1] '|
A:A43: {Page} 'H3
A:B43: [W1] '|
A:C43: (F3) +S42
A:D43: (F3) [W1] '|
A:E43: (F3) +U42
A:F43: (F4) [W1] '|
A:H43: (F4) [W1] '|
A:J43: (F4) [W1] '|
A:L43: (F2) [W1] '|
A:N43: (F2) [W1] '|
A:P43: (F3) [W1] '|
A:R43: (F3) [W1] '|
A:T43: (F3) [W1] '|
A:V43: (F4) [W1] '|
A:A44: {Page} *
A:B44: [W1] '|
A:C44: (F3) *
A:D44: (F3) [W1] '|
A:E44: (F3) *
A:F44: (F4) [W1] '|
A:G44: (F6) 198.0008
A:H44: (F4) [W1] '|
A:I44: (F4) 25
A:J44: (F4) [W1] '|
A:K44: (F4) [W1] @ROUND(G44*@PI/180,6)
A:L44: (F2) [W1] '|
A:M44: (F0) [W1] @IF(G44>=0#AND#G44<180,@IF(G44<90,1,2),@IF(G44<270,3,4))
A:N44: (F2) [W1] '|
A:O44: (F3)
@IF(M44=1#OR#M44=2,@IF(M44=1,I44*@COS(K44),-I44*@COS(@PI-K44)),@IF(M44=3,-I44*@COS(K44-@PI),I44*@COS(2*@PI-K44)))
A:P44: (F3) [W1] '|
A:Q44: (F3)
@IF(M44=1#OR#M44=2,@IF(M44=1,I44*@SIN(K44),I44*@SIN(@PI-K44)),@IF(M44=3,-I44*@SIN(K44-@PI),-I44*@SIN(2*@PI-K44)))
A:R44: (F3) [W1] '|
A:S44: (F3) +C43+O44
A:T44: (F3) [W1] '|

A:U44: (F3) +E43+Q44
A:V44: (F4) [W1] '|
A:A45: {Page} 'H2
A:B45: [W1] '|
A:C45: (F3) +S44
A:D45: (F3) [W1] '|
A:E45: (F3) +U44
A:F45: (F4) [W1] '|
A:H45: (F4) [W1] '|
A:J45: (F4) [W1] '|
A:L45: (F2) [W1] '|
A:N45: (F2) [W1] '|
A:P45: (F3) [W1] '|
A:R45: (F3) [W1] '|
A:T45: (F3) [W1] '|
A:V45: (F4) [W1] '|
A:A46: {Page} \'*
A:B46: [W1] '|
A:C46: (F3) \'*
A:D46: (F3) [W1] '|
A:E46: (F3) \'*
A:F46: (F4) [W1] '|
A:G46: (F6) 108.0005
A:H46: (F4) [W1] '|
A:I46: (F4) 22.228
A:J46: (F4) [W1] '|
A:K46: (F4) [W1] @ROUND(G46*@PI/180,6)
A:L46: (F2) [W1] '|
A:M46: (F0) [W1] @IF(G46>=0#AND#G46<180,@IF(G46<90,1,2),@IF(G46<270,3,4))
A:N46: (F2) [W1] '|
A:O46: (F3)
@IF(M46=1#OR#M46=2,@IF(M46=1,I46*@COS(K46),-I46*@COS(@PI-K46)),@IF(M46=3,
-I46*@COS(K46-@PI),I46*@COS(2*@PI-K46)))
A:P46: (F3) [W1] '|
A:Q46: (F3)
@IF(M46=1#OR#M46=2,@IF(M46=1,I46*@SIN(K46),I46*@SIN(@PI-K46)),@IF(M46=3,-I
46*@SIN(K46-@PI),-I46*@SIN(2*@PI-K46)))
A:R46: (F3) [W1] '|
A:S46: (F3) +C45+O46
A:T46: (F3) [W1] '|
A:U46: (F3) +E45+Q46
A:V46: (F4) [W1] '|

A:A47: {Page} 'H1 (CLOSE)

A:B47: [W1] '|

A:C47: (F3) +S46

A:D47: (F3) [W1] '|

A:E47: (F3) +U46

A:F47: (F4) [W1] '|

A:H47: (F4) [W1] '|

A:J47: (F4) [W1] '|

A:L47: (F2) [W1] '|

A:N47: (F2) [W1] '|

A:P47: (F3) [W1] '|

A:R47: (F3) [W1] '|

A:T47: (F3) [W1] '|

A:V47: (F4) [W1] '|

Attachment III

Cell Contents of Spreadsheet
used to
Generate Table 7-3

(Includes Spreadsheet labeled with rows/columns)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	VW
1	TABLE 7-3 - HORIZONTAL TRAVERSE ALONG LOWER BLOCK ACCESS RAMPS																				
2	RAMPTRAV WK1																				
3	Enter	Enter	Enter	Enter	Enter																
4	Point	1st	1st	1st	1st																
5	Number	North	East	East	East																
6		Read	Read	Read	Read																
7		Subsequent	Subsequent	Subsequent	Subsequent																
8		Northings	Northings	Eastings	Eastings																
9																					
10	INPUTS										NEXT POINT COORDS										
11	POINT	NORTH	EAST	AZIMUTH	HORIZ DIST						dN	dE	NORTH	EAST							
12	*****	*****	*****	*****	*****						*****	*****	*****	*****							
13	*****	*****	*****	*****	*****						*****	*****	*****	*****							
14																					
15																					
16																					
17	C8 (NR PT/PI)	234087.742	171313.778																		
18	*****	*****	*****			93.000300	305.0000	*	*		-15.964	304.582	234071.778	171818.360							
19	G9	234071.778	171818.360																		
20	*****	*****	*****			28.974400	305.0000	*	*		266.825	147.748	234338.603	171766.108							
21	H0	234338.603	171766.108																		
22	*****	*****	*****			118.974400	266.7840	*	*		-129.235	233.392	234209.368	171999.500							
23	E3	234209.368	171999.500																		
24	*****	*****	*****			28.974100	200.0000	*	*		174.968	96.883	234384.336	172096.383							
25	E4	234384.336	172096.383																		
26	*****	*****	*****			247.042400	200.0000	*	*		-78.010	-184.159	234306.328	171912.224							
27	E5	234306.328	171912.224																		
28	*****	*****	*****			337.042500	548.3540	*	*		504.921	-213.865	234811.247	171698.339							
29	E6	234811.247	171698.339																		
30	*****	*****	*****			247.186200	305.0000	*	*		-118.260	-281.140	234692.987	171417.200							
31	E7	234692.987	171417.200																		
32	*****	*****	*****			18.000000	305.0000	*	*		290.072	94.250	234983.059	171511.450							
33	E8	234983.059	171511.450																		
34	*****	*****	*****			288.000000	99.5250	*	*		30.755	-94.654	235013.814	171416.796							
35	H5	235013.814	171416.796																		
36	*****	*****	*****			288.000000	726.9970	*	*		224.654	-691.415	235238.468	170725.381							
37	E9	235238.468	170725.381																		
38	*****	*****	*****			333.000000	94.802000	*	*		84.469	-43.039	235322.938	170682.341							
39	F0	235322.938	170682.341																		
40	*****	*****	*****			63.000200	305.0000	*	*		138.466	271.757	235461.404	170954.099							
41	F1	235461.404	170954.099																		
42	*****	*****	*****			78.766800	305.0000	*	*		69.819	296.901	235531.223	171251.000							
43	F2	235531.223	171251.000																		
44	*****	*****	*****			166.766800	1416.8510	*	*		-1379.229	324.338	234151.994	171575.338							
45	F3	234151.994	171575.338																		
46	*****	*****	*****			256.766400	305.0000	*	*		-69.821	-296.901	234082.173	171278.437							
47	F4	234082.173	171278.437																		
48	*****	*****	*****			93.000000	305.0000	*	*		-15.962	304.582	234066.211	171583.019							
49	F5	234066.211	171583.019																		
50	*****	*****	*****			183.000000	364.7070	*	*		-364.207	-19.087	233702.003	171563.932							
51	H1	233702.003	171563.932																		
52	*****	*****	*****			288.000500	22.2280	*	*		6.869	-21.140	233708.872	171542.792							
53	H2	233708.872	171542.792																		
54	*****	*****	*****			18.000800	25.0000	*	*		23.776	7.726	233732.649	171550.518							
55	H3	233732.649	171550.518																		
56	*****	*****	*****			273.001300	25.0000	*	*		1.309	-24.966	233733.958	171525.552							
57	H4	233733.958	171525.552																		
58	*****	*****	*****			183.000000	1211.2740	*	*		-1209.614	-83.394	232524.344	171462.158							
59	D3	232524.344	171462.158																		
60	*****	*****	*****			183.000000	613.2980	*	*		-612.457	-32.098	231911.886	171430.060							
61	F6	231911.886	171430.060																		
62	*****	*****	*****			273.000000	305.0000	*	*		15.963	-304.582	231927.849	171125.478							
63	F7	231927.849	171125.478																		
64	*****	*****	*****			100.742800	305.0000	*	*		-56.852	299.654	231870.997	171425.133							
65	F8	231870.997	171425.133																		
66	*****	*****	*****			190.741000	1580.9980	*	*		-1553.299	-294.649	230317.698	171130.483							
67	F9	230317.698	171130.483																		
68	*****	*****	*****			280.741100	304.8000	*	*		56.806	-299.460	230374.504	170831.024							
69	G0	230374.504	170831.024																		
70	*****	*****	*****			316.021200	304.8000	*	*		219.333	-211.651	230593.837	170619.373							
71	G1	230593.837	170619.373																		
72	*****	*****	*****			46.020900	272.9570	*	*		189.540	196.418	230783.377	170815.791							
73	G2	230783.377	170815.791																		
74	*****	*****	*****			108.000000	409.6000	*	*		-126.574	389.553	230656.804	171205.344							
75	G3	230656.804	171205.344																		
76	*****	*****	*****			18.000000	305.0000	*	*		290.072	94.250	230946.876	171299.594							
77	G4	230946.876	171299.594																		
78	*****	*****	*****			181.000000	305.0000	*	*		-304.954	-5.323	230641.923	171294.271							
79	G5	230641.923	171294.271																		
80	*****	*****	*****			90.827100	144.2630	*	*		-1.579	144.254	230640.344	171438.525							
81	G6	230640.344	171438.525																		
82	*****	*****	*****			3.000000	305.0000	*	*		304.582	15.963	230944.926	171454.487							
83	G7	230944.926	171454.487																		
84	*****	*****	*****			273.000000	305.0000	*	*		15.963	-304.582	230960.888	171149.905							
85	G8	230960.888	171149.905																		
86	*****	*****	*****			3.000000	3131.1420	*	*		3126.851	163.872	234087.739	171313.777							
87	C8 (CLOSE)	234087.739	171313.777																		

A:A1: {Page 1/1} 'RAMPTRAV.WK1

A:E1: {Page Arial MT14} 'TABLE 7-3 - HORIZONTAL TRAVERSE ALONG LOWER
BLOCK ACCESS RAMPS

A:A2: {Page} _

A:B2: [W1] '

A:C2: _

A:D2: [W1] '

A:E2: _

A:F2: [W1] '

A:G2: _

A:H2: [W1] '

A:I2: _

A:J2: [W1] '

A:O2: _

A:P2: [W1] '

A:Q2: _

A:R2: [W1] '

A:S2: _

A:T2: [W1] '

A:U2: _

A:V2: [W1] '

A:A3: {Page} ^Enter

A:B3: [W1] \

A:C3: ^Enter

A:D3: [W1] \

A:E3: ^Enter

A:F3: [W1] \

A:G3: ^Enter

A:H3: [W1] \

A:I3: ^Enter

A:J3: [W1] \

A:N3: [W1] \

A:O3: '

A:P3: [W1] \

A:Q3: '

A:R3: [W1] \

A:S3: '

A:T3: [W1] \

A:U3: '

A:V3: [W1] \

A:A4: {Page} ^Point

A:B4: [W1] \

A:C4: '1st Northing
A:D4: [W1] \\
A:E4: '1st Easting
A:F4: [W1] \\
A:G4: ^Azimuths
A:H4: [W1] \\
A:I4: ^Horizontal
A:J4: [W1] \\
A:N4: [W1] \\
A:P4: [W1] \\
A:R4: [W1] \\
A:S4: ^Read
A:T4: [W1] \\
A:U4: ^Read
A:V4: [W1] \\
A:A5: {Page} ^Number
A:B5: [W1] \\
A:C5: \-
A:D5: [W1] \\
A:E5: \-
A:F5: [W1] \\
A:G5: ^{Dec. Deg.
A:H5: [W1] \\
A:I5: ^Distance
A:J5: [W1] \\
A:N5: [W1] \\
A:P5: [W1] \\
A:R5: [W1] \\
A:S5: ^Subsequent
A:T5: [W1] \\
A:U5: ^Subsequent
A:V5: [W1] \\
A:B6: [W1] \\
A:C6: ^Read
A:D6: [W1] \\
A:E6: ^Read
A:F6: [W1] \\
A:G6: ^from
A:H6: [W1] \\
A:I6: ^to
A:J6: [W1] \\
A:N6: [W1] \\

A:P6: [W1] \\
A:R6: [W1] \\
A:S6: ^Northings
A:T6: [W1] \\
A:U6: ^Eastings
A:V6: [W1] \\
A:B7: [W1] \\
A:C7: ^Subsequent
A:D7: [W1] \\
A:E7: ^Subsequent
A:F7: [W1] \\
A:G7: ^North)
A:H7: [W1] \\
A:I7: ^Next Point
A:J7: [W1] \\
A:N7: [W1] \\
A:P7: [W1] \\
A:R7: [W1] \\
A:T7: [W1] \\
A:V7: [W1] \\
A:A8: {Page} _
A:B8: [W1] \\
A:C8: ^Northings
A:D8: [W1] \\
A:E8: ^Eastings
A:F8: [W1] \\
A:G8: _
A:H8: [W1] \\
A:I8: _
A:J8: [W1] \\
A:N8: [W1] \\
A:O8: _
A:P8: [W1] \\
A:Q8: _
A:R8: [W1] \\
A:S8: _
A:T8: [W1] \\
A:U8: _
A:V8: [W1] \\
A:A9: {Page} '
A:C10: "INPUTS
A:S10: ^NEXT POINT COORDS

A:A11: {Page} \=
A:B11: [W1] '=
A:C11: \=
A:D11: [W1] '=
A:E11: \=
A:F11: [W1] '=
A:G11: \=
A:H11: [W1] '=
A:I11: \=
A:J11: [W1] '=
A:R11: [W1] '=
A:S11: \=
A:T11: [W1] '=
A:U11: \=
A:V11: [W1] '=
A:A12: {Page} ^POINT
A:C12: ^NORTH
A:E12: ^EAST
A:G12: ^AZIMUTH
A:I12: ^HORIZ DIST
A:J12: [W1] '|
A:O12: ^dN
A:Q12: ^dE
A:R12: [W1] '|
A:S12: ^NORTH
A:U12: ^EAST
A:A13: {Page} \=
A:B13: [W1] '=
A:C13: \=
A:D13: [W1] '=
A:E13: \=
A:F13: [W1] '=
A:G13: \=
A:H13: [W1] '=
A:I13: \=
A:J13: [W1] '=
A:K13: [W1] \=
A:L13: [W1] '=
A:M13: [W1] \=
A:N13: [W1] '=
A:O13: \=
A:P13: [W1] '=

A:Q13: \=
A:R13: [W1] '=
A:S13: \=
A:T13: [W1] '=
A:U13: \=
A:V13: [W1] '=
A:A15: {Page} '
A:C15: '
A:E15: '
A:A16: {Page} *
A:B16: [W1] '|
A:C16: (F4) *
A:D16: (F4) [W1] '|
A:E16: (F4) *
A:F16: (F4) [W1] '|
A:G16: (F6) '
A:H16: (F4) [W1] '|
A:I16: (F4) '
A:J16: (F4) [W1] '|
A:K16: (F4) [W1] '
A:L16: (F2) [W1] '|
A:M16: (F0) [W1] '
A:N16: (F2) [W1] '|
A:O16: (F4) '
A:P16: (F4) [W1] '|
A:Q16: (F4) '
A:R16: (F2) [W1] '|
A:S16: (F4) '
A:T16: (F4) [W1] '|
A:U16: (F4) '
A:V16: (F4) [W1] '|
A:W16: [W1] '
A:A17: {Page} 'C8 (NR PT/VPI)
A:B17: [W1] '|
A:C17: (F3) 234087.742
A:D17: (F3) [W1] '|
A:E17: (F3) 171313.778
A:F17: (F4) [W1] '|
A:H17: (F4) [W1] '|
A:J17: (F4) [W1] '|
A:L17: (F2) [W1] '|
A:N17: (F2) [W1] '|

A:P17: (F3) [W1] '|
A:R17: (F3) [W1] '|
A:T17: (F3) [W1] '|
A:V17: (F4) [W1] '|
A:A18: {Page} *
A:B18: [W1] '|
A:C18: (F3) *
A:D18: (F3) [W1] '|
A:E18: (F3) *
A:F18: (F4) [W1] '|
A:G18: (F6) 93.0003
A:H18: (F4) [W1] '|
A:I18: (F4) 305
A:J18: (F4) [W1] '|
A:K18: (F4) [W1] @ROUND(G18*@PI/180,6)
A:L18: (F2) [W1] '|
A:M18: (F0) [W1] @IF(G18>=0#AND#G18<180,@IF(G18<90,1,2),@IF(G18<270,3,4))
A:N18: (F2) [W1] '|
A:O18: (F3)
@IF(M18=1#OR#M18=2,@IF(M18=1,I18*@COS(K18),-I18*@COS(@PI-K18)),@IF(M18=3,
-I18*@COS(K18-@PI),I18*@COS(2*@PI-K18)))
A:P18: (F3) [W1] '|
A:Q18: (F3)
@IF(M18=1#OR#M18=2,@IF(M18=1,I18*@SIN(K18),I18*@SIN(@PI-K18)),@IF(M18=3,-I
18*@SIN(K18-@PI),-I18*@SIN(2*@PI-K18)))
A:R18: (F3) [W1] '|
A:S18: (F3) +C17+O18
A:T18: (F3) [W1] '|
A:U18: (F3) +E17+Q18
A:V18: (F4) [W1] '|
A:A19: {Page} 'G9
A:B19: [W1] '|
A:C19: (F3) +S18
A:D19: (F3) [W1] '|
A:E19: (F3) +U18
A:F19: (F4) [W1] '|
A:H19: (F4) [W1] '|
A:J19: (F4) [W1] '|
A:L19: (F2) [W1] '|
A:N19: (F2) [W1] '|
A:P19: (F3) [W1] '|
A:R19: (F3) [W1] '|

A:T19: (F3) [W1] '|
A:V19: (F4) [W1] '|
A:A20: {Page} *
A:B20: [W1] '|
A:C20: (F3) *
A:D20: (F3) [W1] '|
A:E20: (F3) *
A:F20: (F4) [W1] '|
A:G20: (F6) 28.9744
A:H20: (F4) [W1] '|
A:I20: (F4) 305
A:J20: (F4) [W1] '|
A:K20: (F4) [W1] @ROUND(G20*@PI/180,6)
A:L20: (F2) [W1] '|
A:M20: (F0) [W1] @IF(G20>=0#AND#G20<180,@IF(G20<90,1,2),@IF(G20<270,3,4))
A:N20: (F2) [W1] '|
A:O20: (F3)
@IF(M20=1#OR#M20=2,@IF(M20=1,I20*@COS(K20),-I20*@COS(@PI-K20)),@IF(M20=3,
-I20*@COS(K20-@PI),I20*@COS(2*@PI-K20)))
A:P20: (F3) [W1] '|
A:Q20: (F3)
@IF(M20=1#OR#M20=2,@IF(M20=1,I20*@SIN(K20),I20*@SIN(@PI-K20)),@IF(M20=3,-I
20*@SIN(K20-@PI),-I20*@SIN(2*@PI-K20)))
A:R20: (F3) [W1] '|
A:S20: (F3) +C19+O20
A:T20: (F3) [W1] '|
A:U20: (F3) +E19+Q20
A:V20: (F4) [W1] '|
A:A21: {Page} 'H0
A:B21: [W1] '|
A:C21: (F3) +S20
A:D21: (F3) [W1] '|
A:E21: (F3) +U20
A:F21: (F4) [W1] '|
A:H21: (F4) [W1] '|
A:J21: (F4) [W1] '|
A:L21: (F2) [W1] '|
A:N21: (F2) [W1] '|
A:P21: (F3) [W1] '|
A:R21: (F3) [W1] '|
A:T21: (F3) [W1] '|
A:V21: (F4) [W1] '|

A:A22: {Page} *
A:B22: [W1] '|
A:C22: (F3) *
A:D22: (F3) [W1] '|
A:E22: (F3) *
A:F22: (F4) [W1] '|
A:G22: (F6) 118.9744
A:H22: (F4) [W1] '|
A:I22: (F4) 266.784
A:J22: (F4) [W1] '|
A:K22: (F4) [W1] @ROUND(G22*@PI/180,6)
A:L22: (F2) [W1] '|
A:M22: (F0) [W1] @IF(G22>=0#AND#G22<180,@IF(G22<90,1,2),@IF(G22<270,3,4))
A:N22: (F2) [W1] '|
A:O22: (F3)
@IF(M22=1#OR#M22=2,@IF(M22=1,I22*@COS(K22),-I22*@COS(@PI-K22)),@IF(M22=3,
-I22*@COS(K22-@PI),I22*@COS(2*@PI-K22)))
A:P22: (F3) [W1] '|
A:Q22: (F3)
@IF(M22=1#OR#M22=2,@IF(M22=1,I22*@SIN(K22),I22*@SIN(@PI-K22)),@IF(M22=3,-I
22*@SIN(K22-@PI),-I22*@SIN(2*@PI-K22)))
A:R22: (F3) [W1] '|
A:S22: (F3) +C21+O22
A:T22: (F3) [W1] '|
A:U22: (F3) +E21+Q22
A:V22: (F4) [W1] '|
A:A23: {Page} 'E3
A:B23: [W1] '|
A:C23: (F3) +S22
A:D23: (F3) [W1] '|
A:E23: (F3) +U22
A:F23: (F4) [W1] '|
A:H23: (F4) [W1] '|
A:J23: (F4) [W1] '|
A:L23: (F2) [W1] '|
A:N23: (F2) [W1] '|
A:P23: (F3) [W1] '|
A:R23: (F3) [W1] '|
A:T23: (F3) [W1] '|
A:V23: (F4) [W1] '|
A:A24: {Page} *
A:B24: [W1] '|

A:C24: (F3) *
A:D24: (F3) [W1] '|
A:E24: (F3) *
A:F24: (F4) [W1] '|
A:G24: (F6) 28.9741
A:H24: (F4) [W1] '|
A:I24: (F4) 200
A:J24: (F4) [W1] '|
A:K24: (F4) [W1] @ROUND(G24*@PI/180,6)
A:L24: (F2) [W1] '|
A:M24: (F0) [W1] @IF(G24>=0#AND#G24<180,@IF(G24<90,1,2),@IF(G24<270,3,4))
A:N24: (F2) [W1] '|
A:O24: (F3)
@IF(M24=1#OR#M24=2,@IF(M24=1,I24*@COS(K24),-I24*@COS(@PI-K24)),@IF(M24=3,
-I24*@COS(K24-@PI),I24*@COS(2*@PI-K24)))
A:P24: (F3) [W1] '|
A:Q24: (F3)
@IF(M24=1#OR#M24=2,@IF(M24=1,I24*@SIN(K24),I24*@SIN(@PI-K24)),@IF(M24=3,-I
24*@SIN(K24-@PI),-I24*@SIN(2*@PI-K24)))
A:R24: (F3) [W1] '|
A:S24: (F3) +C23+O24
A:T24: (F3) [W1] '|
A:U24: (F3) +E23+Q24
A:V24: (F4) [W1] '|
A:A25: {Page} 'E4
A:B25: [W1] '|
A:C25: (F3) +S24
A:D25: (F3) [W1] '|
A:E25: (F3) +U24
A:F25: (F4) [W1] '|
A:H25: (F4) [W1] '|
A:J25: (F4) [W1] '|
A:L25: (F2) [W1] '|
A:N25: (F2) [W1] '|
A:P25: (F3) [W1] '|
A:R25: (F3) [W1] '|
A:T25: (F3) [W1] '|
A:V25: (F4) [W1] '|
A:A26: {Page} *
A:B26: [W1] '|
A:C26: (F3) *
A:D26: (F3) [W1] '|

A:E26: (F3) *
A:F26: (F4) [W1] '|
A:G26: (F6) 247.0424
A:H26: (F4) [W1] '|
A:I26: (F4) 200
A:J26: (F4) [W1] '|
A:K26: (F4) [W1] @ROUND(G26*@PI/180,6)
A:L26: (F2) [W1] '|
A:M26: (F0) [W1] @IF(G26>=0#AND#G26<180,@IF(G26<90,1,2),@IF(G26<270,3,4))
A:N26: (F2) [W1] '|
A:O26: (F3)
@IF(M26=1#OR#M26=2,@IF(M26=1,I26*@COS(K26),-I26*@COS(@PI-K26)),@IF(M26=3,
-I26*@COS(K26-@PI),I26*@COS(2*@PI-K26)))
A:P26: (F3) [W1] '|
A:Q26: (F3)
@IF(M26=1#OR#M26=2,@IF(M26=1,I26*@SIN(K26),I26*@SIN(@PI-K26)),@IF(M26=3,-I
26*@SIN(K26-@PI),-I26*@SIN(2*@PI-K26)))
A:R26: (F3) [W1] '|
A:S26: (F3) +C25+O26
A:T26: (F3) [W1] '|
A:U26: (F3) +E25+Q26
A:V26: (F4) [W1] '|
A:A27: {Page} 'E5
A:B27: [W1] '|
A:C27: (F3) +S26
A:D27: (F3) [W1] '|
A:E27: (F3) +U26
A:F27: (F4) [W1] '|
A:H27: (F4) [W1] '|
A:J27: (F4) [W1] '|
A:L27: (F2) [W1] '|
A:N27: (F2) [W1] '|
A:P27: (F3) [W1] '|
A:R27: (F3) [W1] '|
A:T27: (F3) [W1] '|
A:V27: (F4) [W1] '|
A:A28: {Page} *
A:B28: [W1] '|
A:C28: (F3) *
A:D28: (F3) [W1] '|
A:E28: (F3) *
A:F28: (F4) [W1] '|

A:G28: (F6) 337.0425
A:H28: (F4) [W1] '|
A:I28: (F4) 548.354
A:J28: (F4) [W1] '|
A:K28: (F4) [W1] @ROUND(G28*@PI/180,6)
A:L28: (F2) [W1] '|
A:M28: (F0) [W1] @IF(G28>=0#AND#G28<180,@IF(G28<90,1,2),@IF(G28<270,3,4))
A:N28: (F2) [W1] '|
A:O28: (F3)
@IF(M28=1#OR#M28=2,@IF(M28=1,I28*@COS(K28),-I28*@COS(@PI-K28)),@IF(M28=3,
-I28*@COS(K28-@PI),I28*@COS(2*@PI-K28)))
A:P28: (F3) [W1] '|
A:Q28: (F3)
@IF(M28=1#OR#M28=2,@IF(M28=1,I28*@SIN(K28),I28*@SIN(@PI-K28)),@IF(M28=3,-I
28*@SIN(K28-@PI),-I28*@SIN(2*@PI-K28)))
A:R28: (F3) [W1] '|
A:S28: (F3) +C27+O28
A:T28: (F3) [W1] '|
A:U28: (F3) +E27+Q28
A:V28: (F4) [W1] '|
A:A29: {Page} 'E6
A:B29: [W1] '|
A:C29: (F3) +S28
A:D29: (F3) [W1] '|
A:E29: (F3) +U28
A:F29: (F4) [W1] '|
A:H29: (F4) [W1] '|
A:J29: (F4) [W1] '|
A:L29: (F2) [W1] '|
A:N29: (F2) [W1] '|
A:P29: (F3) [W1] '|
A:R29: (F3) [W1] '|
A:T29: (F3) [W1] '|
A:V29: (F4) [W1] '|
A:A30: {Page} *
A:B30: [W1] '|
A:C30: (F3) *
A:D30: (F3) [W1] '|
A:E30: (F3) *
A:F30: (F4) [W1] '|
A:G30: (F6) 247.1862
A:H30: (F4) [W1] '|

A:I30: (F4) 305
A:J30: (F4) [W1] '|
A:K30: (F4) [W1] @ROUND(G30*@PI/180,6)
A:L30: (F2) [W1] '|
A:M30: (F0) [W1] @IF(G30>=0#AND#G30<180,@IF(G30<90,1,2),@IF(G30<270,3,4))
A:N30: (F2) [W1] '|
A:O30: (F3)
@IF(M30=1#OR#M30=2,@IF(M30=1,I30*@COS(K30),-I30*@COS(@PI-K30)),@IF(M30=3,
-I30*@COS(K30-@PI),I30*@COS(2*@PI-K30)))
A:P30: (F3) [W1] '|
A:Q30: (F3)
@IF(M30=1#OR#M30=2,@IF(M30=1,I30*@SIN(K30),I30*@SIN(@PI-K30)),@IF(M30=3,-I
30*@SIN(K30-@PI),-I30*@SIN(2*@PI-K30)))
A:R30: (F3) [W1] '|
A:S30: (F3) +C29+O30
A:T30: (F3) [W1] '|
A:U30: (F3) +E29+Q30
A:V30: (F4) [W1] '|
A:A31: {Page} 'E7
A:B31: [W1] '|
A:C31: (F3) +S30
A:D31: (F3) [W1] '|
A:E31: (F3) +U30
A:F31: (F4) [W1] '|
A:H31: (F4) [W1] '|
A:J31: (F4) [W1] '|
A:L31: (F2) [W1] '|
A:N31: (F2) [W1] '|
A:P31: (F3) [W1] '|
A:R31: (F3) [W1] '|
A:T31: (F3) [W1] '|
A:V31: (F4) [W1] '|
A:A32: {Page} *
A:B32: [W1] '|
A:C32: (F3) *
A:D32: (F3) [W1] '|
A:E32: (F3) *
A:F32: (F4) [W1] '|
A:G32: (F6) 18
A:H32: (F4) [W1] '|
A:I32: (F4) 305
A:J32: (F4) [W1] '|

A:K32: (F4) [W1] @ROUND(G32*@PI/180,6)

A:L32: (F2) [W1] '|

A:M32: (F0) [W1] @IF(G32>=0#AND#G32<180,@IF(G32<90,1,2),@IF(G32<270,3,4))

A:N32: (F2) [W1] '|

A:O32: (F3)

@IF(M32=1#OR#M32=2,@IF(M32=1,I32*@COS(K32),-I32*@COS(@PI-K32)),@IF(M32=3,
-I32*@COS(K32-@PI),I32*@COS(2*@PI-K32)))

A:P32: (F3) [W1] '|

A:Q32: (F3)

@IF(M32=1#OR#M32=2,@IF(M32=1,I32*@SIN(K32),I32*@SIN(@PI-K32)),@IF(M32=3,-I
32*@SIN(K32-@PI),-I32*@SIN(2*@PI-K32)))

A:R32: (F3) [W1] '|

A:S32: (F3) +C31+O32

A:T32: (F3) [W1] '|

A:U32: (F3) +E31+Q32

A:V32: (F4) [W1] '|

A:A33: {Page} 'E8

A:B33: [W1] '|

A:C33: (F3) +S32

A:D33: (F3) [W1] '|

A:E33: (F3) +U32

A:F33: (F4) [W1] '|

A:H33: (F4) [W1] '|

A:J33: (F4) [W1] '|

A:L33: (F2) [W1] '|

A:N33: (F2) [W1] '|

A:P33: (F3) [W1] '|

A:R33: (F3) [W1] '|

A:T33: (F3) [W1] '|

A:V33: (F4) [W1] '|

A:A34: {Page} *

A:B34: [W1] '|

A:C34: (F3) *

A:D34: (F3) [W1] '|

A:E34: (F3) *

A:F34: (F4) [W1] '|

A:G34: (F6) 288

A:H34: (F4) [W1] '|

A:I34: (F4) 99.525

A:J34: (F4) [W1] '|

A:K34: (F4) [W1] @ROUND(G34*@PI/180,6)

A:L34: (F2) [W1] '|
A:M34: (F0) [W1] '@IF(G34>=0#AND#G34<180,@IF(G34<90,1,2),@IF(G34<270,3,4))
A:N34: (F2) [W1] '|
A:O34: (F3)
@IF(M34=1#OR#M34=2,@IF(M34=1,I34*@COS(K34),-I34*@COS(@PI-K34)),@IF(M34=3,
-I34*@COS(K34-@PI),I34*@COS(2*@PI-K34)))
A:P34: (F3) [W1] '|
A:Q34: (F3)
@IF(M34=1#OR#M34=2,@IF(M34=1,I34*@SIN(K34),I34*@SIN(@PI-K34)),@IF(M34=3,-I
34*@SIN(K34-@PI),-I34*@SIN(2*@PI-K34)))
A:R34: (F3) [W1] '|
A:S34: (F3) +C33+O34
A:T34: (F3) [W1] '|
A:U34: (F3) +E33+Q34
A:V34: (F4) [W1] '|
A:A35: {Page} 'H5
A:B35: [W1] '|
A:C35: (F3) +S34
A:D35: (F3) [W1] '|
A:E35: (F3) +U34
A:F35: (F4) [W1] '|
A:H35: (F4) [W1] '|
A:J35: (F4) [W1] '|
A:L35: (F2) [W1] '|
A:N35: (F2) [W1] '|
A:P35: (F3) [W1] '|
A:R35: (F3) [W1] '|
A:T35: (F3) [W1] '|
A:V35: (F4) [W1] '|
A:A36: {Page} *
A:B36: [W1] '|
A:C36: (F3) *
A:D36: (F3) [W1] '|
A:E36: (F3) *
A:F36: (F4) [W1] '|
A:G36: (F6) 288
A:H36: (F4) [W1] '|
A:I36: (F4) 726.997
A:J36: (F4) [W1] '|
A:K36: (F4) [W1] '@ROUND(G36*@PI/180,6)
A:L36: (F2) [W1] '|
A:M36: (F0) [W1] '@IF(G36>=0#AND#G36<180,@IF(G36<90,1,2),@IF(G36<270,3,4))

A:N36: (F2) [W1] '|
A:O36: (F3)
@IF(M36=1#OR#M36=2,@IF(M36=1,I36*@COS(K36),-I36*@COS(@PI-K36)),@IF(M36=3,
-I36*@COS(K36-@PI),I36*@COS(2*@PI-K36)))
A:P36: (F3) [W1] '|
A:Q36: (F3)
@IF(M36=1#OR#M36=2,@IF(M36=1,I36*@SIN(K36),I36*@SIN(@PI-K36)),@IF(M36=3,-I
36*@SIN(K36-@PI),-I36*@SIN(2*@PI-K36)))
A:R36: (F3) [W1] '|
A:S36: (F3) +C35+O36
A:T36: (F3) [W1] '|
A:U36: (F3) +E35+Q36
A:V36: (F4) [W1] '|
A:A37: {Page} 'E9
A:B37: [W1] '|
A:C37: (F3) +S36
A:D37: (F3) [W1] '|
A:E37: (F3) +U36
A:F37: [W1] '|
A:H37: [W1] '|
A:J37: [W1] '|
A:L37: [W1] '|
A:N37: [W1] '|
A:P37: (F3) [W1] '|
A:R37: (F3) [W1] '|
A:T37: (F3) [W1] '|
A:V37: (F4) [W1] '|
A:A38: {Page} *
A:B38: [W1] '|
A:C38: (F3) *
A:D38: (F3) [W1] '|
A:E38: (F3) *
A:F38: (F4) [W1] '|
A:G38: (F6) 333
A:H38: (F4) [W1] '|
A:I38: (F6) 94.802
A:J38: (F4) [W1] '|
A:K38: (F4) [W1] @ROUND(G38*@PI/180,6)
A:L38: (F2) [W1] '|
A:M38: (F0) [W1] @IF(G38>=0#AND#G38<180,@IF(G38<90,1,2),@IF(G38<270,3,4))
A:N38: (F2) [W1] '|
A:O38: (F3)

@IF(M38=1#OR#M38=2,@IF(M38=1,I38*@COS(K38),-I38*@COS(@PI-K38)),@IF(M38=3,-I38*@COS(K38-@PI),I38*@COS(2*@PI-K38)))

A:P38: (F3) [W1] '|

A:Q38: (F3)

@IF(M38=1#OR#M38=2,@IF(M38=1,I38*@SIN(K38),I38*@SIN(@PI-K38)),@IF(M38=3,-I38*@SIN(K38-@PI),-I38*@SIN(2*@PI-K38)))

A:R38: (F3) [W1] '|

A:S38: (F3) +C37+O38

A:T38: (F3) [W1] '|

A:U38: (F3) +E37+Q38

A:V38: (F4) [W1] '|

A:A39: {Page} 'F0

A:B39: [W1] '|

A:C39: (F3) +S38

A:D39: (F3) [W1] '|

A:E39: (F3) +U38

A:F39: (F4) [W1] '|

A:H39: (F4) [W1] '|

A:J39: (F4) [W1] '|

A:L39: (F2) [W1] '|

A:N39: (F2) [W1] '|

A:P39: (F3) [W1] '|

A:R39: (F3) [W1] '|

A:T39: (F3) [W1] '|

A:V39: (F4) [W1] '|

A:A40: {Page} *

A:B40: [W1] '|

A:C40: (F3) *

A:D40: (F3) [W1] '|

A:E40: (F3) *

A:F40: (F4) [W1] '|

A:G40: (F6) 63.0002

A:H40: (F4) [W1] '|

A:I40: (F4) 305

A:J40: (F4) [W1] '|

A:K40: (F4) [W1] @ROUND(G40*@PI/180,6)

A:L40: (F2) [W1] '|

A:M40: (F0) [W1] @IF(G40>=0#AND#G40<180,@IF(G40<90,1,2),@IF(G40<270,3,4))

A:N40: (F2) [W1] '|

A:O40: (F3)

@IF(M40=1#OR#M40=2,@IF(M40=1,I40*@COS(K40),-I40*@COS(@PI-K40)),@IF(M40=3,-I40*@COS(K40-@PI),I40*@COS(2*@PI-K40)))

A:P40: (F3) [W1] '|

A:Q40: (F3)

@IF(M40=1#OR#M40=2,@IF(M40=1,I40*@SIN(K40),I40*@SIN(@PI-K40)),@IF(M40=3,-I40*@SIN(K40-@PI),-I40*@SIN(2*@PI-K40)))

A:R40: (F3) [W1] '|

A:S40: (F3) +C39+O40

A:T40: (F3) [W1] '|

A:U40: (F3) +E39+Q40

A:V40: (F4) [W1] '|

A:A41: {Page} 'F1

A:B41: [W1] '|

A:C41: (F3) +S40

A:D41: (F3) [W1] '|

A:E41: (F3) +U40

A:F41: (F4) [W1] '|

A:H41: (F4) [W1] '|

A:J41: (F4) [W1] '|

A:L41: (F2) [W1] '|

A:N41: (F2) [W1] '|

A:P41: (F3) [W1] '|

A:R41: (F3) [W1] '|

A:T41: (F3) [W1] '|

A:V41: (F4) [W1] '|

A:A42: {Page} *

A:B42: [W1] '|

A:C42: (F3) *

A:D42: (F3) [W1] '|

A:E42: (F3) *

A:F42: (F4) [W1] '|

A:G42: (F6) 76.7668

A:H42: (F4) [W1] '|

A:I42: (F4) 305

A:J42: (F4) [W1] '|

A:K42: (F4) [W1] @ROUND(G42*@PI/180,6)

A:L42: (F2) [W1] '|

A:M42: (F0) [W1] @IF(G42>=0#AND#G42<180,@IF(G42<90,1,2),@IF(G42<270,3,4))

A:N42: (F2) [W1] '|

A:O42: (F3)

@IF(M42=1#OR#M42=2,@IF(M42=1,I42*@COS(K42),-I42*@COS(@PI-K42)),@IF(M42=3,-I42*@COS(K42-@PI),I42*@COS(2*@PI-K42)))

A:P42: (F3) [W1] '|

A:Q42: (F3)

@IF(M42=1#OR#M42=2,@IF(M42=1,I42*@SIN(K42),I42*@SIN(@PI-K42)),@IF(M42=3,-I42*@SIN(K42-@PI),-I42*@SIN(2*@PI-K42)))

A:R42: (F3) [W1] |

A:S42: (F3) +C41+O42

A:T42: (F3) [W1] |

A:U42: (F3) +E41+Q42

A:V42: (F4) [W1] |

A:A43: {Page} 'F2

A:B43: [W1] |

A:C43: (F3) +S42

A:D43: (F3) [W1] |

A:E43: (F3) +U42

A:F43: (F4) [W1] |

A:H43: (F4) [W1] |

A:J43: (F4) [W1] |

A:L43: (F2) [W1] |

A:N43: (F2) [W1] |

A:P43: (F3) [W1] |

A:R43: (F3) [W1] |

A:T43: (F3) [W1] |

A:V43: (F4) [W1] |

A:A44: {Page} *

A:B44: [W1] |

A:C44: (F3) *

A:D44: (F3) [W1] |

A:E44: (F3) *

A:F44: (F4) [W1] |

A:G44: (F6) 166.7668

A:H44: (F4) [W1] |

A:I44: (F4) 1416.851

A:J44: (F4) [W1] |

A:K44: (F4) [W1] @ROUND(G44*@PI/180,6)

A:L44: (F2) [W1] |

A:M44: (F0) [W1] @IF(G44>=0#AND#G44<180,@IF(G44<90,1,2),@IF(G44<270,3,4))

A:N44: (F2) [W1] |

A:O44: (F3)

@IF(M44=1#OR#M44=2,@IF(M44=1,I44*@COS(K44),-I44*@COS(@PI-K44)),@IF(M44=3,-I44*@COS(K44-@PI),I44*@COS(2*@PI-K44)))

A:P44: (F3) [W1] |

A:Q44: (F3)

@IF(M44=1#OR#M44=2,@IF(M44=1,I44*@SIN(K44),I44*@SIN(@PI-K44)),@IF(M44=3,-I44*@SIN(K44-@PI),-I44*@SIN(2*@PI-K44)))

A:R44: (F3) [W1] '|
A:S44: (F3) +C43+O44
A:T44: (F3) [W1] '|
A:U44: (F3) +E43+Q44
A:V44: (F4) [W1] '|
A:A45: {Page} 'F3
A:B45: [W1] '|
A:C45: (F3) +S44
A:D45: (F3) [W1] '|
A:E45: (F3) +U44
A:F45: (F4) [W1] '|
A:H45: (F4) [W1] '|
A:J45: (F4) [W1] '|
A:L45: (F2) [W1] '|
A:N45: (F2) [W1] '|
A:P45: (F3) [W1] '|
A:R45: (F3) [W1] '|
A:T45: (F3) [W1] '|
A:V45: (F4) [W1] '|
A:A46: {Page} *
A:B46: [W1] '|
A:C46: (F3) *
A:D46: (F3) [W1] '|
A:E46: (F3) *
A:F46: (F4) [W1] '|
A:G46: (F6) 256.7664
A:H46: (F4) [W1] '|
A:I46: (F4) 305
A:J46: (F4) [W1] '|
A:K46: (F4) [W1] @ROUND(G46*@PI/180,6)
A:L46: (F2) [W1] '|
A:M46: (F0) [W1] @IF(G46>=0#AND#G46<180,@IF(G46<90,1,2),@IF(G46<270,3,4))
A:N46: (F2) [W1] '|
A:O46: (F3)
@IF(M46=1#OR#M46=2,@IF(M46=1,I46*@COS(K46),-I46*@COS(@PI-K46)),@IF(M46=3,
-I46*@COS(K46-@PI),I46*@COS(2*@PI-K46)))
A:P46: (F3) [W1] '|
A:Q46: (F3)
@IF(M46=1#OR#M46=2,@IF(M46=1,I46*@SIN(K46),I46*@SIN(@PI-K46)),@IF(M46=3,-I
46*@SIN(K46-@PI),-I46*@SIN(2*@PI-K46)))
A:R46: (F3) [W1] '|
A:S46: (F3) +C45+O46

A:T46: (F3) [W1] '
A:U46: (F3) +E45+Q46
A:V46: (F4) [W1] '
A:A47: {Page} 'F4
A:B47: [W1] '
A:C47: (F3) +S46
A:D47: (F3) [W1] '
A:E47: (F3) +U46
A:F47: (F4) [W1] '
A:H47: (F4) [W1] '
A:I47: (F4) [W1] '
A:L47: (F2) [W1] '
A:N47: (F2) [W1] '
A:P47: (F3) [W1] '
A:R47: (F3) [W1] '
A:T47: (F3) [W1] '
A:V47: (F4) [W1] '
A:A48: {Page} *
A:B48: [W1] '
A:C48: (F3) *
A:D48: (F3) [W1] '
A:E48: (F3) *
A:F48: (F4) [W1] '
A:G48: (F6) 93
A:H48: (F4) [W1] '
A:I48: (F4) 305
A:J48: (F4) [W1] '
A:K48: (F4) [W1] @ROUND(G48*@PI/180,6)
A:L48: (F2) [W1] '
A:M48: (F0) [W1] @IF(G48>=0#AND#G48<180,@IF(G48<90,1,2),@IF(G48<270,3,4))
A:N48: (F2) [W1] '
A:O48: (F3)
@IF(M48=1#OR#M48=2,@IF(M48=1,I48*@COS(K48),-I48*@COS(@PI-K48)),@IF(M48=3,-I48*@COS(K48-@PI),I48*@COS(2*@PI-K48)))
A:P48: (F3) [W1] '
A:Q48: (F3)
@IF(M48=1#OR#M48=2,@IF(M48=1,I48*@SIN(K48),I48*@SIN(@PI-K48)),@IF(M48=3,-I48*@SIN(K48-@PI),-I48*@SIN(2*@PI-K48)))
A:R48: (F3) [W1] '
A:S48: (F3) +C47+O48
A:T48: (F3) [W1] '
A:U48: (F3) +E47+Q48

A:V48: (F4) [W1] '|
A:A49: {Page} 'F5
A:B49: [W1] '|
A:C49: (F3) +S48
A:D49: (F3) [W1] '|
A:E49: (F3) +U48
A:F49: (F4) [W1] '|
A:H49: (F4) [W1] '|
A:J49: (F4) [W1] '|
A:L49: (F2) [W1] '|
A:N49: (F2) [W1] '|
A:P49: (F3) [W1] '|
A:R49: (F3) [W1] '|
A:T49: (F3) [W1] '|
A:V49: (F4) [W1] '|
A:A50: {Page} *
A:B50: [W1] '|
A:C50: (F3) *
A:D50: (F3) [W1] '|
A:E50: (F3) *
A:F50: (F4) [W1] '|
A:G50: (F6) 183
A:H50: (F4) [W1] '|
A:I50: (F4) 364.707
A:J50: (F4) [W1] '|
A:K50: (F4) [W1] @ROUND(G50*@PI/180,6)
A:L50: (F2) [W1] '|
A:M50: (F0) [W1] @IF(G50>=0#AND#G50<180,@IF(G50<90,1,2),@IF(G50<270,3,4))
A:N50: (F2) [W1] '|
A:O50: (F3)
@IF(M50=1#OR#M50=2,@IF(M50=1,I50*@COS(K50),-I50*@COS(@PI-K50)),@IF(M50=3,
-I50*@COS(K50-@PI),I50*@COS(2*@PI-K50)))
A:P50: (F3) [W1] '|
A:Q50: (F3)
@IF(M50=1#OR#M50=2,@IF(M50=1,I50*@SIN(K50),I50*@SIN(@PI-K50)),@IF(M50=3,-I
50*@SIN(K50-@PI),-I50*@SIN(2*@PI-K50)))
A:R50: (F3) [W1] '|
A:S50: (F3) +C49+O50
A:T50: (F3) [W1] '|
A:U50: (F3) +E49+Q50
A:V50: (F4) [W1] '|
A:A51: {Page} 'H1

A:B51: [W1] '|
A:C51: (F3) +S50
A:D51: (F3) [W1] '|
A:E51: (F3) +U50
A:F51: (F4) [W1] '|
A:H51: (F4) [W1] '|
A:J51: (F4) [W1] '|
A:L51: (F2) [W1] '|
A:N51: (F2) [W1] '|
A:P51: (F3) [W1] '|
A:R51: (F3) [W1] '|
A:T51: (F3) [W1] '|
A:V51: (F4) [W1] '|
A:A52: {Page} *
A:B52: [W1] '|
A:C52: (F3) *
A:D52: (F3) [W1] '|
A:E52: (F3) *
A:F52: (F4) [W1] '|
A:G52: (F6) 288.0005
A:H52: (F4) [W1] '|
A:I52: (F4) 22.228
A:J52: (F4) [W1] '|
A:K52: (F4) [W1] @ROUND(G52*@PI/180,6)
A:L52: (F2) [W1] '|
A:M52: (F0) [W1] @IF(G52>=0#AND#G52<180,@IF(G52<90,1,2),@IF(G52<270,3,4))
A:N52: (F2) [W1] '|
A:O52: (F3)
@IF(M52=1#OR#M52=2,@IF(M52=1,I52*@COS(K52),-I52*@COS(@PI-K52)),@IF(M52=3,
-I52*@COS(K52-@PI),I52*@COS(2*@PI-K52)))
A:P52: (F3) [W1] '|
A:Q52: (F3)
@IF(M52=1#OR#M52=2,@IF(M52=1,I52*@SIN(K52),I52*@SIN(@PI-K52)),@IF(M52=3,-I
52*@SIN(K52-@PI),-I52*@SIN(2*@PI-K52)))
A:R52: (F3) [W1] '|
A:S52: (F3) +C51+O52
A:T52: (F3) [W1] '|
A:U52: (F3) +E51+Q52
A:V52: (F4) [W1] '|
A:A53: {Page} 'H2
A:B53: [W1] '|
A:C53: (F3) +S52

A:D53: (F3) [W1] '|
A:E53: (F3) +U52
A:F53: (F4) [W1] '|
A:H53: (F4) [W1] '|
A:J53: (F4) [W1] '|
A:L53: (F2) [W1] '|
A:N53: (F2) [W1] '|
A:P53: (F3) [W1] '|
A:R53: (F3) [W1] '|
A:T53: (F3) [W1] '|
A:V53: (F4) [W1] '|
A:A54: {Page} *
A:B54: [W1] '|
A:C54: (F3) *
A:D54: (F3) [W1] '|
A:E54: (F3) *
A:F54: (F4) [W1] '|
A:G54: (F6) 18.0008
A:H54: (F4) [W1] '|
A:I54: (F4) 25
A:J54: (F4) [W1] '|
A:K54: (F4) [W1] @ROUND(G54*@PI/180,6)
A:L54: (F2) [W1] '|
A:M54: (F0) [W1] @IF(G54>=0#AND#G54<180,@IF(G54<90,1,2),@IF(G54<270,3,4))
A:N54: (F2) [W1] '|
A:O54: (F3)
@IF(M54=1#OR#M54=2,@IF(M54=1,I54*@COS(K54),-I54*@COS(@PI-K54)),@IF(M54=3,
-I54*@COS(K54-@PI),I54*@COS(2*@PI-K54)))
A:P54: (F3) [W1] '|
A:Q54: (F3)
@IF(M54=1#OR#M54=2,@IF(M54=1,I54*@SIN(K54),I54*@SIN(@PI-K54)),@IF(M54=3,-I
54*@SIN(K54-@PI),-I54*@SIN(2*@PI-K54)))
A:R54: (F3) [W1] '|
A:S54: (F3) +C53+O54
A:T54: (F3) [W1] '|
A:U54: (F3) +E53+Q54
A:V54: (F4) [W1] '|
A:A55: {Page} 'H3
A:B55: [W1] '|
A:C55: (F3) +S54
A:D55: (F3) [W1] '|
A:E55: (F3) +U54

A:F55: (F4) [W1] '|
A:H55: (F4) [W1] '|
A:J55: (F4) [W1] '|
A:L55: (F2) [W1] '|
A:N55: (F2) [W1] '|
A:P55: (F3) [W1] '|
A:R55: (F3) [W1] '|
A:T55: (F3) [W1] '|
A:V55: (F4) [W1] '|
A:A56: {Page} *
A:B56: [W1] '|
A:C56: (F3) *
A:D56: (F3) [W1] '|
A:E56: (F3) *
A:F56: (F4) [W1] '|
A:G56: (F6) 273.0013
A:H56: (F4) [W1] '|
A:I56: (F4) 25
A:J56: (F4) [W1] '|
A:K56: (F4) [W1] @ROUND(G56*@PI/180,6)
A:L56: (F2) [W1] '|
A:M56: (F0) [W1] @IF(G56>=0#AND#G56<180,@IF(G56<90,1,2),@IF(G56<270,3,4))
A:N56: (F2) [W1] '|
A:O56: (F3)
@IF(M56=1#OR#M56=2,@IF(M56=1,I56*@COS(K56),-I56*@COS(@PI-K56)),@IF(M56=3,
-I56*@COS(K56-@PI),I56*@COS(2*@PI-K56)))
A:P56: (F3) [W1] '|
A:Q56: (F3)
@IF(M56=1#OR#M56=2,@IF(M56=1,I56*@SIN(K56),I56*@SIN(@PI-K56)),@IF(M56=3,-I
56*@SIN(K56-@PI),-I56*@SIN(2*@PI-K56)))
A:R56: (F3) [W1] '|
A:S56: (F3) +C55+O56
A:T56: (F3) [W1] '|
A:U56: (F3) +E55+Q56
A:V56: (F4) [W1] '|
A:A57: {Page} 'H4
A:B57: [W1] '|
A:C57: (F3) +S56
A:D57: (F3) [W1] '|
A:E57: (F3) +U56
A:F57: (F4) [W1] '|
A:H57: (F4) [W1] '|

A:J57: (F4) [W1] '|
A:L57: (F2) [W1] '|
A:N57: (F2) [W1] '|
A:P57: (F3) [W1] '|
A:R57: (F3) [W1] '|
A:T57: (F3) [W1] '|
A:V57: (F4) [W1] '|
A:A58: {Page} *
A:B58: [W1] '|
A:C58: (F3) *
A:D58: (F3) [W1] '|
A:E58: (F3) *
A:F58: (F4) [W1] '|
A:G58: (F6) 183
A:H58: (F4) [W1] '|
A:I58: (F4) 1211.274
A:J58: (F4) [W1] '|
A:K58: (F4) [W1] @ROUND(G58*@PI/180,6)
A:L58: (F2) [W1] '|
A:M58: (F0) [W1] @IF(G58>=0#AND#G58<180,@IF(G58<90,1,2),@IF(G58<270,3,4))
A:N58: (F2) [W1] '|
A:O58: (F3)
@IF(M58=1#OR#M58=2,@IF(M58=1,I58*@COS(K58),-I58*@COS(@PI-K58)),@IF(M58=3,
-I58*@COS(K58-@PI),I58*@COS(2*@PI-K58)))
A:P58: (F3) [W1] '|
A:Q58: (F3)
@IF(M58=1#OR#M58=2,@IF(M58=1,I58*@SIN(K58),I58*@SIN(@PI-K58)),@IF(M58=3,-I
58*@SIN(K58-@PI),-I58*@SIN(2*@PI-K58)))
A:R58: (F3) [W1] '|
A:S58: (F3) +C57+O58
A:T58: (F3) [W1] '|
A:U58: (F3) +E57+Q58
A:V58: (F4) [W1] '|
A:A59: {Page} 'D3
A:B59: [W1] '|
A:C59: (F3) +S58
A:D59: (F3) [W1] '|
A:E59: (F3) +U58
A:F59: (F4) [W1] '|
A:H59: (F4) [W1] '|
A:J59: (F4) [W1] '|
A:L59: (F2) [W1] '|

A:N59: (F2) [W1] '|
A:P59: (F3) [W1] '|
A:R59: (F3) [W1] '|
A:T59: (F3) [W1] '|
A:V59: (F4) [W1] '|
A:A60: {Page} *
A:B60: [W1] '|
A:C60: (F3) *
A:D60: (F3) [W1] '|
A:E60: (F3) *
A:F60: (F4) [W1] '|
A:G60: (F6) 183
A:H60: (F4) [W1] '|
A:I60: (F4) 613.298
A:J60: (F4) [W1] '|
A:K60: (F4) [W1] @ROUND(G60*@PI/180,6)
A:L60: (F2) [W1] '|
A:M60: (F0) [W1] @IF(G60>=0#AND#G60<180,@IF(G60<90,1,2),@IF(G60<270,3,4))
A:N60: (F2) [W1] '|
A:O60: (F3)
@IF(M60=1#OR#M60=2,@IF(M60=1,I60*@COS(K60),-I60*@COS(@PI-K60)),@IF(M60=3,
-I60*@COS(K60-@PI),I60*@COS(2*@PI-K60)))
A:P60: (F3) [W1] '|
A:Q60: (F3)
@IF(M60=1#OR#M60=2,@IF(M60=1,I60*@SIN(K60),I60*@SIN(@PI-K60)),@IF(M60=3,-I
60*@SIN(K60-@PI),-I60*@SIN(2*@PI-K60)))
A:R60: (F3) [W1] '|
A:S60: (F3) +C59+O60
A:T60: (F3) [W1] '|
A:U60: (F3) +E59+Q60
A:V60: (F4) [W1] '|
A:A61: {Page} 'F6
A:B61: [W1] '|
A:C61: (F3) +S60
A:D61: (F3) [W1] '|
A:E61: (F3) +U60
A:F61: (F4) [W1] '|
A:H61: (F4) [W1] '|
A:J61: (F4) [W1] '|
A:L61: (F2) [W1] '|
A:N61: (F2) [W1] '|
A:P61: (F3) [W1] '|

A:R61: (F3) [W1] '|
A:T61: (F3) [W1] '|
A:V61: (F4) [W1] '|
A:A62: {Page} *
A:B62: [W1] '|
A:C62: (F3) *
A:D62: (F3) [W1] '|
A:E62: (F3) *
A:F62: (F4) [W1] '|
A:G62: (F6) 273
A:H62: (F4) [W1] '|
A:I62: (F4) 305
A:J62: (F4) [W1] '|
A:K62: (F4) [W1] @ROUND(G62*@PI/180,6)
A:L62: (F2) [W1] '|
A:M62: (F0) [W1] @IF(G62>=0#AND#G62<180,@IF(G62<90,1,2),@IF(G62<270,3,4))
A:N62: (F2) [W1] '|
A:O62: (F3)
@IF(M62=1#OR#M62=2,@IF(M62=1,I62*@COS(K62),-I62*@COS(@PI-K62)),@IF(M62=3,
-I62*@COS(K62-@PI),I62*@COS(2*@PI-K62)))
A:P62: (F3) [W1] '|
A:Q62: (F3)
@IF(M62=1#OR#M62=2,@IF(M62=1,I62*@SIN(K62),I62*@SIN(@PI-K62)),@IF(M62=3,-I
62*@SIN(K62-@PI),-I62*@SIN(2*@PI-K62)))
A:R62: (F3) [W1] '|
A:S62: (F3) +C61+O62
A:T62: (F3) [W1] '|
A:U62: (F3) +E61+Q62
A:V62: (F4) [W1] '|
A:A63: {Page} 'F7
A:B63: [W1] '|
A:C63: (F3) +S62
A:D63: (F3) [W1] '|
A:E63: (F3) +U62
A:F63: (F4) [W1] '|
A:H63: (F4) [W1] '|
A:J63: (F4) [W1] '|
A:L63: (F2) [W1] '|
A:N63: (F2) [W1] '|
A:P63: (F3) [W1] '|
A:R63: (F3) [W1] '|
A:T63: (F3) [W1] '|

A:V63: (F4) [W1] '|
A:A64: {Page} *
A:B64: [W1] '|
A:C64: (F3) *
A:D64: (F3) [W1] '|
A:E64: (F3) *
A:F64: (F4) [W1] '|
A:G64: (F6) 100.7428
A:H64: (F4) [W1] '|
A:I64: (F4) 305
A:J64: (F4) [W1] '|
A:K64: (F4) [W1] @ROUND(G64*@PI/180,6)
A:L64: (F2) [W1] '|
A:M64: (F0) [W1] @IF(G64>=0#AND#G64<180,@IF(G64<90,1,2),@IF(G64<270,3,4))
A:N64: (F2) [W1] '|
A:O64: (F3)
@IF(M64=1#OR#M64=2,@IF(M64=1,I64*@COS(K64),-I64*@COS(@PI-K64)),@IF(M64=3,
-I64*@COS(K64-@PI),I64*@COS(2*@PI-K64)))
A:P64: (F3) [W1] '|
A:Q64: (F3)
@IF(M64=1#OR#M64=2,@IF(M64=1,I64*@SIN(K64),I64*@SIN(@PI-K64)),@IF(M64=3,-I
64*@SIN(K64-@PI),-I64*@SIN(2*@PI-K64)))
A:R64: (F3) [W1] '|
A:S64: (F3) +C63+O64
A:T64: (F3) [W1] '|
A:U64: (F3) +E63+Q64
A:V64: (F4) [W1] '|
A:A65: {Page} 'F8
A:B65: [W1] '|
A:C65: (F3) +S64
A:D65: (F3) [W1] '|
A:E65: (F3) +U64
A:F65: (F4) [W1] '|
A:H65: (F4) [W1] '|
A:J65: (F4) [W1] '|
A:L65: (F2) [W1] '|
A:N65: (F2) [W1] '|
A:P65: (F3) [W1] '|
A:R65: (F3) [W1] '|
A:T65: (F3) [W1] '|
A:V65: (F4) [W1] '|
A:A66: {Page} *

A:B66: [W1] '|
A:C66: (F3) *
A:D66: (F3) [W1] '|
A:E66: (F3) *
A:F66: (F4) [W1] '|
A:G66: (F6) 190.741
A:H66: (F4) [W1] '|
A:I66: (F4) 1580.998
A:J66: (F4) [W1] '|
A:K66: (F4) [W1] @ROUND(G66*@PI/180,6)
A:L66: (F2) [W1] '|
A:M66: (F0) [W1] @IF(G66>=0#AND#G66<180,@IF(G66<90,1,2),@IF(G66<270,3,4))
A:N66: (F2) [W1] '|
A:O66: (F3)
@IF(M66=1#OR#M66=2,@IF(M66=1,I66*@COS(K66),-I66*@COS(@PI-K66)),@IF(M66=3,-
I66*@COS(K66-@PI),I66*@COS(2*@PI-K66)))
A:P66: (F3) [W1] '|
A:Q66: (F3)
@IF(M66=1#OR#M66=2,@IF(M66=1,I66*@SIN(K66),I66*@SIN(@PI-K66)),@IF(M66=3,-I
66*@SIN(K66-@PI),-I66*@SIN(2*@PI-K66)))
A:R66: (F3) [W1] '|
A:S66: (F3) +C65+O66
A:T66: (F3) [W1] '|
A:U66: (F3) +E65+Q66
A:V66: (F4) [W1] '|
A:A67: {Page} 'F9
A:B67: [W1] '|
A:C67: (F3) +S66
A:D67: (F3) [W1] '|
A:E67: (F3) +U66
A:F67: (F4) [W1] '|
A:H67: (F4) [W1] '|
A:J67: (F4) [W1] '|
A:L67: (F2) [W1] '|
A:N67: (F2) [W1] '|
A:P67: (F3) [W1] '|
A:R67: (F3) [W1] '|
A:T67: (F3) [W1] '|
A:V67: (F4) [W1] '|
A:A68: {Page} *
A:B68: [W1] '|
A:C68: (F3) *

A:D68: (F3) [W1] '|
A:E68: (F3) *
A:F68: (F4) [W1] '|
A:G68: (F6) 280.7411
A:H68: (F4) [W1] '|
A:I68: (F4) 304.8
A:J68: (F4) [W1] '|
A:K68: (F4) [W1] @ROUND(G68*@PI/180,6)
A:L68: (F2) [W1] '|
A:M68: (F0) [W1] @IF(G68>=0#AND#G68<180,@IF(G68<90,1,2),@IF(G68<270,3,4))
A:N68: (F2) [W1] '|
A:O68: (F3)
@IF(M68=1#OR#M68=2,@IF(M68=1,I68*@COS(K68),-I68*@COS(@PI-K68)),@IF(M68=3,
-I68*@COS(K68-@PI),I68*@COS(2*@PI-K68)))
A:P68: (F3) [W1] '|
A:Q68: (F3)
@IF(M68=1#OR#M68=2,@IF(M68=1,I68*@SIN(K68),I68*@SIN(@PI-K68)),@IF(M68=3,-I
68*@SIN(K68-@PI),-I68*@SIN(2*@PI-K68)))
A:R68: (F3) [W1] '|
A:S68: (F3) +C67+O68
A:T68: (F3) [W1] '|
A:U68: (F3) +E67+Q68
A:V68: (F4) [W1] '|
A:A69: {Page} 'G0
A:B69: [W1] '|
A:C69: (F3) +S68
A:D69: (F3) [W1] '|
A:E69: (F3) +U68
A:F69: (F4) [W1] '|
A:H69: (F4) [W1] '|
A:J69: (F4) [W1] '|
A:L69: (F2) [W1] '|
A:N69: (F2) [W1] '|
A:P69: (F3) [W1] '|
A:R69: (F3) [W1] '|
A:T69: (F3) [W1] '|
A:V69: (F4) [W1] '|
A:A70: {Page} *
A:B70: [W1] '|
A:C70: (F3) *
A:D70: (F3) [W1] '|
A:E70: (F3) *

A:F70: (F4) [W1] '|
A:G70: (F6) 316.0212
A:H70: (F4) [W1] '|
A:I70: (F4) 304.8
A:J70: (F4) [W1] '|
A:K70: (F4) [W1] @ROUND(G70*@PI/180,6)
A:L70: (F2) [W1] '|
A:M70: (F0) [W1] @IF(G70>=0#AND#G70<180,@IF(G70<90,1,2),@IF(G70<270,3,4))
A:N70: (F2) [W1] '|
A:O70: (F3)
@IF(M70=1#OR#M70=2,@IF(M70=1,I70*@COS(K70),-I70*@COS(@PI-K70)),@IF(M70=3,
-I70*@COS(K70-@PI),I70*@COS(2*@PI-K70)))
A:P70: (F3) [W1] '|
A:Q70: (F3)
@IF(M70=1#OR#M70=2,@IF(M70=1,I70*@SIN(K70),I70*@SIN(@PI-K70)),@IF(M70=3,-I
70*@SIN(K70-@PI),-I70*@SIN(2*@PI-K70)))
A:R70: (F3) [W1] '|
A:S70: (F3) +C69+O70
A:T70: (F3) [W1] '|
A:U70: (F3) +E69+Q70
A:V70: (F4) [W1] '|
A:A71: {Page} 'G1
A:B71: [W1] '|
A:C71: (F3) +S70
A:D71: (F3) [W1] '|
A:E71: (F3) +U70
A:F71: (F4) [W1] '|
A:H71: (F4) [W1] '|
A:J71: (F4) [W1] '|
A:L71: (F2) [W1] '|
A:N71: (F2) [W1] '|
A:P71: (F3) [W1] '|
A:R71: (F3) [W1] '|
A:T71: (F3) [W1] '|
A:V71: (F4) [W1] '|
A:A72: {Page} *
A:B72: [W1] '|
A:C72: (F3) *
A:D72: (F3) [W1] '|
A:E72: (F3) *
A:F72: (F4) [W1] '|
A:G72: (F6) 46.0209

A:H72: (F4) [W1] '|
A:I72: (F4) 272.957
A:J72: (F4) [W1] '|
A:K72: (F4) [W1] @ROUND(G72*@PI/180,6)
A:L72: (F2) [W1] '|
A:M72: (F0) [W1] @IF(G72>=0#AND#G72<180,@IF(G72<90,1,2),@IF(G72<270,3,4))
A:N72: (F2) [W1] '|
A:O72: (F3)
@IF(M72=1#OR#M72=2,@IF(M72=1,I72*@COS(K72),-I72*@COS(@PI-K72)),@IF(M72=3,
-I72*@COS(K72-@PI),I72*@COS(2*@PI-K72)))
A:P72: (F3) [W1] '|
A:Q72: (F3)
@IF(M72=1#OR#M72=2,@IF(M72=1,I72*@SIN(K72),I72*@SIN(@PI-K72)),@IF(M72=3,-I
72*@SIN(K72-@PI),-I72*@SIN(2*@PI-K72)))
A:R72: (F3) [W1] '|
A:S72: (F3) +C71+O72
A:T72: (F3) [W1] '|
A:U72: (F3) +E71+Q72
A:V72: (F4) [W1] '|
A:A73: {Page} 'G2
A:B73: [W1] '|
A:C73: (F3) +S72
A:D73: (F3) [W1] '|
A:E73: (F3) +U72
A:F73: (F4) [W1] '|
A:H73: (F4) [W1] '|
A:J73: (F4) [W1] '|
A:L73: (F2) [W1] '|
A:N73: (F2) [W1] '|
A:P73: (F3) [W1] '|
A:R73: (F3) [W1] '|
A:T73: (F3) [W1] '|
A:V73: (F4) [W1] '|
A:A74: {Page} *
A:B74: [W1] '|
A:C74: (F3) *
A:D74: (F3) [W1] '|
A:E74: (F3) *
A:F74: (F4) [W1] '|
A:G74: (F6) 108
A:H74: (F4) [W1] '|
A:I74: (F4) 409.6

A:J74: (F4) [W1] '|
A:K74: (F4) [W1] @ROUND(G74*@PI/180,6)
A:L74: (F2) [W1] '|
A:M74: (F0) [W1] @IF(G74>=0#AND#G74<180,@IF(G74<90,1,2),@IF(G74<270,3,4))
A:N74: (F2) [W1] '|
A:O74: (F3)
@IF(M74=1#OR#M74=2,@IF(M74=1,I74*@COS(K74),-I74*@COS(@PI-K74)),@IF(M74=3,
-I74*@COS(K74-@PI),I74*@COS(2*@PI-K74)))
A:P74: (F3) [W1] '|
A:Q74: (F3)
@IF(M74=1#OR#M74=2,@IF(M74=1,I74*@SIN(K74),I74*@SIN(@PI-K74)),@IF(M74=3,-I
74*@SIN(K74-@PI),-I74*@SIN(2*@PI-K74)))
A:R74: (F3) [W1] '|
A:S74: (F3) +C73+O74
A:T74: (F3) [W1] '|
A:U74: (F3) +E73+Q74
A:V74: (F4) [W1] '|
A:A75: {Page} 'G3
A:B75: [W1] '|
A:C75: (F3) +S74
A:D75: (F3) [W1] '|
A:E75: (F3) +U74
A:F75: (F4) [W1] '|
A:H75: (F4) [W1] '|
A:J75: (F4) [W1] '|
A:L75: (F2) [W1] '|
A:N75: (F2) [W1] '|
A:P75: (F3) [W1] '|
A:R75: (F3) [W1] '|
A:T75: (F3) [W1] '|
A:V75: (F4) [W1] '|
A:A76: {Page} *
A:B76: [W1] '|
A:C76: (F3) *
A:D76: (F3) [W1] '|
A:E76: (F3) *
A:F76: (F4) [W1] '|
A:G76: (F6) 18
A:H76: (F4) [W1] '|
A:I76: (F4) 305
A:J76: (F4) [W1] '|
A:K76: (F4) [W1] @ROUND(G76*@PI/180,6)

A:L76: (F2) [W1] '|
A:M76: (F0) [W1] @IF(G76>=0#AND#G76<180,@IF(G76<90,1,2),@IF(G76<270,3,4))
A:N76: (F2) [W1] '|
A:O76: (F3)
@IF(M76=1#OR#M76=2,@IF(M76=1,I76*@COS(K76),-I76*@COS(@PI-K76)),@IF(M76=3,
-I76*@COS(K76-@PI),I76*@COS(2*@PI-K76)))
A:P76: (F3) [W1] '|
A:Q76: (F3)
@IF(M76=1#OR#M76=2,@IF(M76=1,I76*@SIN(K76),I76*@SIN(@PI-K76)),@IF(M76=3,-I
76*@SIN(K76-@PI),-I76*@SIN(2*@PI-K76)))
A:R76: (F3) [W1] '|
A:S76: (F3) +C75+O76
A:T76: (F3) [W1] '|
A:U76: (F3) +E75+Q76
A:V76: (F4) [W1] '|
A:A77: {Page} 'G4
A:B77: [W1] '|
A:C77: (F3) +S76
A:D77: (F3) [W1] '|
A:E77: (F3) +U76
A:F77: (F4) [W1] '|
A:H77: (F4) [W1] '|
A:J77: (F4) [W1] '|
A:L77: (F2) [W1] '|
A:N77: (F2) [W1] '|
A:P77: (F3) [W1] '|
A:R77: (F3) [W1] '|
A:T77: (F3) [W1] '|
A:V77: (F4) [W1] '|
A:A78: {Page} *
A:B78: [W1] '|
A:C78: (F3) *
A:D78: (F3) [W1] '|
A:E78: (F3) *
A:F78: (F4) [W1] '|
A:G78: (F6) 181
A:H78: (F4) [W1] '|
A:I78: (F4) 305
A:J78: (F4) [W1] '|
A:K78: (F4) [W1] @ROUND(G78*@PI/180,6)
A:L78: (F2) [W1] '|
A:M78: (F0) [W1] @IF(G78>=0#AND#G78<180,@IF(G78<90,1,2),@IF(G78<270,3,4))

A:N78: (F2) [W1] '|
A:O78: (F3)
@IF(M78=1#OR#M78=2,@IF(M78=1,I78*@COS(K78),-I78*@COS(@PI-K78)),@IF(M78=3,
-I78*@COS(K78-@PI),I78*@COS(2*@PI-K78)))
A:P78: (F3) [W1] '|
A:Q78: (F3)
@IF(M78=1#OR#M78=2,@IF(M78=1,I78*@SIN(K78),I78*@SIN(@PI-K78)),@IF(M78=3,-I
78*@SIN(K78-@PI),-I78*@SIN(2*@PI-K78)))
A:R78: (F3) [W1] '|
A:S78: (F3) +C77+O78
A:T78: (F3) [W1] '|
A:U78: (F3) +E77+Q78
A:V78: (F4) [W1] '|
A:A79: {Page} 'G5
A:B79: [W1] '|
A:C79: (F3) +S78
A:D79: (F3) [W1] '|
A:E79: (F3) +U78
A:F79: (F4) [W1] '|
A:H79: (F4) [W1] '|
A:J79: (F4) [W1] '|
A:L79: (F2) [W1] '|
A:N79: (F2) [W1] '|
A:P79: (F3) [W1] '|
A:R79: (F3) [W1] '|
A:T79: (F3) [W1] '|
A:V79: (F4) [W1] '|
A:A80: {Page} *
A:B80: [W1] '|
A:C80: (F3) *
A:D80: (F3) [W1] '|
A:E80: (F3) *
A:F80: (F4) [W1] '|
A:G80: (F6) 90.6271
A:H80: (F4) [W1] '|
A:I80: (F4) 144.263
A:J80: (F4) [W1] '|
A:K80: (F4) [W1] @ROUND(G80*@PI/180,6)
A:L80: (F2) [W1] '|
A:M80: (F0) [W1] @IF(G80>=0#AND#G80<180,@IF(G80<90,1,2),@IF(G80<270,3,4))
A:N80: (F2) [W1] '|
A:O80: (F3)

@IF(M80=1#OR#M80=2,@IF(M80=1,I80*@COS(K80),-I80*@COS(@PI-K80)),@IF(M80=3,-I80*@COS(K80-@PI),I80*@COS(2*@PI-K80)))

A:P80: (F3) [W1] '|

A:Q80: (F3)

@IF(M80=1#OR#M80=2,@IF(M80=1,I80*@SIN(K80),I80*@SIN(@PI-K80)),@IF(M80=3,-I80*@SIN(K80-@PI),-I80*@SIN(2*@PI-K80)))

A:R80: (F3) [W1] '|

A:S80: (F3) +C79+O80

A:T80: (F3) [W1] '|

A:U80: (F3) +E79+Q80

A:V80: (F4) [W1] '|

A:A81: {Page} 'G6

A:B81: [W1] '|

A:C81: (F3) +S80

A:D81: (F3) [W1] '|

A:E81: (F3) +U80

A:F81: (F4) [W1] '|

A:H81: (F4) [W1] '|

A:J81: (F4) [W1] '|

A:L81: (F2) [W1] '|

A:N81: (F2) [W1] '|

A:P81: (F3) [W1] '|

A:R81: (F3) [W1] '|

A:T81: (F3) [W1] '|

A:V81: (F4) [W1] '|

A:A82: {Page} *

A:B82: [W1] '|

A:C82: (F3) *

A:D82: (F3) [W1] '|

A:E82: (F3) *

A:F82: (F4) [W1] '|

A:G82: (F6) 3

A:H82: (F4) [W1] '|

A:I82: (F4) 305

A:J82: (F4) [W1] '|

A:K82: (F4) [W1] @ROUND(G82*@PI/180,6)

A:L82: (F2) [W1] '|

A:M82: (F0) [W1] @IF(G82>=0#AND#G82<180,@IF(G82<90,1,2),@IF(G82<270,3,4))

A:N82: (F2) [W1] '|

A:O82: (F3)

@IF(M82=1#OR#M82=2,@IF(M82=1,I82*@COS(K82),-I82*@COS(@PI-K82)),@IF(M82=3,-I82*@COS(K82-@PI),I82*@COS(2*@PI-K82)))

A:P82: (F3) [W1] '|
A:Q82: (F3)
@IF(M82=1#OR#M82=2,@IF(M82=1,I82*@SIN(K82),I82*@SIN(@PI-K82)),@IF(M82=3,-I82*@SIN(K82-@PI),-I82*@SIN(2*@PI-K82)))
A:R82: (F3) [W1] '|
A:S82: (F3) +C81+O82
A:T82: (F3) [W1] '|
A:U82: (F3) +E81+Q82
A:V82: (F4) [W1] '|
A:A83: {Page} 'G7
A:B83: [W1] '|
A:C83: (F3) +S82
A:D83: (F3) [W1] '|
A:E83: (F3) +U82
A:F83: (F4) [W1] '|
A:H83: (F4) [W1] '|
A:J83: (F4) [W1] '|
A:L83: (F2) [W1] '|
A:N83: (F2) [W1] '|
A:P83: (F3) [W1] '|
A:R83: (F3) [W1] '|
A:T83: (F3) [W1] '|
A:V83: (F4) [W1] '|
A:A84: {Page} *
A:B84: [W1] '|
A:C84: (F3) *
A:D84: (F3) [W1] '|
A:E84: (F3) *
A:F84: (F4) [W1] '|
A:G84: (F6) 273
A:H84: (F4) [W1] '|
A:I84: (F4) 305
A:J84: (F4) [W1] '|
A:K84: (F4) [W1] @ROUND(G84*@PI/180,6)
A:L84: (F2) [W1] '|
A:M84: (F0) [W1] @IF(G84>=0#AND#G84<180,@IF(G84<90,1,2),@IF(G84<270,3,4))
A:N84: (F2) [W1] '|
A:O84: (F3)
@IF(M84=1#OR#M84=2,@IF(M84=1,I84*@COS(K84),-I84*@COS(@PI-K84)),@IF(M84=3,-I84*@COS(K84-@PI),I84*@COS(2*@PI-K84)))
A:P84: (F3) [W1] '|
A:Q84: (F3)

@IF(M84=1#OR#M84=2,@IF(M84=1,I84*@SIN(K84),I84*@SIN(@PI-K84)),@IF(M84=3,-I84*@SIN(K84-@PI),-I84*@SIN(2*@PI-K84)))

A:R84: (F3) [W1] '

A:S84: (F3) +C83+O84

A:T84: (F3) [W1] '

A:U84: (F3) +E83+Q84

A:V84: (F4) [W1] '

A:A85: {Page} 'G8

A:B85: [W1] '

A:C85: (F3) +S84

A:D85: (F3) [W1] '

A:E85: (F3) +U84

A:F85: (F4) [W1] '

A:H85: (F4) [W1] '

A:J85: (F4) [W1] '

A:L85: (F2) [W1] '

A:N85: (F2) [W1] '

A:P85: (F3) [W1] '

A:R85: (F3) [W1] '

A:T85: (F3) [W1] '

A:V85: (F4) [W1] '

A:A86: {Page} *

A:B86: [W1] '

A:C86: (F3) *

A:D86: (F3) [W1] '

A:E86: (F3) *

A:F86: (F4) [W1] '

A:G86: (F6) 3

A:H86: (F4) [W1] '

A:I86: (F4) 3131.142

A:J86: (F4) [W1] '

A:K86: (F4) [W1] @ROUND(G86*@PI/180,6)

A:L86: (F2) [W1] '

A:M86: (F0) [W1] @IF(G86>=0#AND#G86<180,@IF(G86<90,1,2),@IF(G86<270,3,4))

A:N86: (F2) [W1] '

A:O86: (F3)

@IF(M86=1#OR#M86=2,@IF(M86=1,I86*@COS(K86),-I86*@COS(@PI-K86)),@IF(M86=3,-I86*@COS(K86-@PI),I86*@COS(2*@PI-K86)))

A:P86: (F3) [W1] '

A:Q86: (F3)

@IF(M86=1#OR#M86=2,@IF(M86=1,I86*@SIN(K86),I86*@SIN(@PI-K86)),@IF(M86=3,-I86*@SIN(K86-@PI),-I86*@SIN(2*@PI-K86)))

A:R86: (F3) [W1] '|
A:S86: (F3) +C85+O86
A:T86: (F3) [W1] '|
A:U86: (F3) +E85+Q86
A:V86: (F4) [W1] '|
A:A87: {Page} 'C8 (CLOSE)
A:B87: [W1] '|
A:C87: (F3) +S86
A:D87: (F3) [W1] '|
A:E87: (F3) +U86
A:F87: (F4) [W1] '|
A:H87: (F4) [W1] '|
A:J87: (F4) [W1] '|
A:L87: (F2) [W1] '|
A:N87: (F2) [W1] '|
A:P87: (F3) [W1] '|
A:R87: (F3) [W1] '|
A:T87: (F3) [W1] '|
A:V87: (F4) [W1] '|

Attachment IV

Cell Contents of Spreadsheet
used to
Generate Table 7-4

(Also includes a copy of spreadsheet
with rows and columns labeled)

A:A1: {Page 1/1} 'UPBLKVRT.WK1
A:E1: {Page Arial MT14} 'TABLE 7-4 -
A:G1: {Page Arial MT14} 'UPPER BLOCK VERTICAL TRAVERSE
A:A5: {Page} 'COORDINATE CHECKER WORKSHEET
A:G5: 'CALCULATES DISTANCE, AZIMUTH, & SLOPE (GRADE) BETWEEN
GIVEN SETS OF COORDINATES

A:A6: {Page} _
A:C6: _
A:D6: [W1] '
A:E6: _
A:F6: [W1] _
A:K6: '
A:L6: [W1] '
A:M6: '
A:N6: [W1] '
A:O6: '
A:P6: [W1] _
A:Q6: _
A:R6: [W1] _
A:S6: _
A:T6: [W1] _
A:U6: _
A:V6: [W1] _
A:W6: '
A:X6: [W1] '
A:AB6: [W1] '
A:AC6: _
A:A7: {Page} ^Column A
A:B7: [W1] \
A:C7: ^Column C
A:D7: [W1] \
A:E7: ^Column E
A:F7: [W1] \
A:K7: '
A:L7: [W1] '
A:M7: '
A:N7: [W1] '
A:P7: [W1] \
A:Q7: ^Column Q
A:R7: [W1] \
A:S7: ^Column S
A:T7: [W1] \

A:U7: ^Column U
A:V7: [W1] \\
A:AB7: [W1] \\
A:AC7: ^Column AC
A:AD7: [W1] \\
A:A8: {Page} 'Enter Pt. #
A:B8: [W1] \\
A:C8: ^Enter
A:D8: [W1] \\
A:E8: ^Enter
A:F8: [W1] \\
A:K8: '
A:L8: [W1] '
A:N8: [W1] '
A:P8: [W1] \\
A:Q8: ^Read
A:R8: [W1] \\
A:S8: ^Read
A:T8: [W1] \\
A:U8: ^Read
A:V8: [W1] \\
A:W8: "PI/2=
A:Y8: @ROUND(@PI/2,6)
A:AB8: [W1] \\
A:AC8: ^Read
A:AD8: [W1] \\
A:B9: [W1] \\
A:C9: ^Northing
A:D9: [W1] \\
A:E9: ^Easting
A:F9: [W1] \\
A:L9: [W1] '
A:N9: [W1] '
A:P9: [W1] \\
A:Q9: ^Horiz. Dist.
A:R9: [W1] \\
A:S9: ^Slope Dist.
A:T9: [W1] \\
A:U9: ^Slope (%)
A:V9: [W1] \\
A:W9: "3PI/2=
A:Y9: @ROUND(3*@PI/2,6)

A:AB9: [W1] \\
A:AC9: 'Map Azimuth
A:AD9: [W1] \\
A:A10: {Page} _
A:B10: [W1] \\
A:C10: _
A:D10: [W1] \\
A:E10: _
A:F10: [W1] \\
A:K10: '
A:L10: [W1] '
A:M10: '
A:N10: [W1] '
A:O10: '
A:P10: [W1] \\
A:Q10: _
A:R10: [W1] \\
A:S10: _
A:T10: [W1] \\
A:U10: _
A:V10: [W1] \\
A:W10: '
A:X10: [W1] '
A:Y10: '
A:Z10: [W1] '
A:AA10: '
A:AB10: [W1] \\
A:AC10: ^ (Dec. Deg.)
A:AD10: [W1] \\
A:AB11: [W1] \\
A:AC11: _
A:AD11: [W1] \\
A:C12: "INPUTS
A:AD12: [W1] '
A:A13: {Page} \=
A:B13: [W1] '=
A:C13: \=
A:D13: [W1] '=
A:E13: \=
A:F13: [W1] '=
A:G13: \=
A:H13: [W1] '=

A:I13: [W14] \=
A:J13: [W1] \=
A:K13: \=
A:L13: [W1] \=
A:M13: \=
A:N13: [W1] \=
A:O13: \=
A:P13: [W1] \=
A:Q13: \=
A:R13: [W1] \=
A:S13: \=
A:T13: [W1] \=
A:U13: \=
A:V13: [W1] \=
A:W13: \=
A:Y13: ^MAP AZIMUTH
A:AA13: \=
A:AC13: ^MAP AZIMUTH
A:AD13: [W1] '
A:A14: {Page} ^POINT
A:C14: ^NORTH
A:E14: ^EAST
A:G14: ^ELEVATION
A:H14: (F4) [W1] '|
A:I14: [W14] ^dELEV
A:J14: [W1] '|
A:K14: ^dN
A:M14: ^dE
A:O14: ^dELEV
A:Q14: ^HORIZ. DIST.
A:S14: ^SLOPE DIST.
A:U14: ^SLOPE (%)
A:W14: ^QUADRANT
A:Y14: ^ (RADS)
A:AC14: ^ (DEC. DEG.)
A:A15: {Page} \=
A:B15: [W1] '=
A:C15: \=
A:D15: [W1] '=
A:E15: \=
A:F15: [W1] '=
A:G15: \=

A:H15: [W1] '=
A:I15: [W14] \=
A:J15: [W1] '=
A:K15: \=
A:L15: [W1] '=
A:M15: \=
A:N15: [W1] '=
A:O15: \=
A:P15: [W1] '=
A:Q15: \=
A:R15: [W1] '=
A:S15: \=
A:T15: [W1] '=
A:U15: \=
A:V15: [W1] '=
A:W15: \=
A:X15: [W1] '=
A:Y15: \=
A:Z15: [W1] \=
A:AA15: \=
A:AB15: [W1] \=
A:AC15: \=
A:AD15: [W1] \=
A:B16: [W1] '|
A:D16: (F4) [W1] '|
A:F16: (F4) [W1] '|
A:H16: (F4) [W1] '|
A:J16: (F3) [W1] '|
A:L16: (F3) [W1] '|
A:N16: (F3) [W1] '|
A:P16: (F3) [W1] '|
A:R16: (F3) [W1] '|
A:T16: (F3) [W1] '|
A:V16: (F2) [W1] '|
A:X16: (F2) [W1] '|
A:Z16: (F4) [W1] '|
A:AB16: (F4) [W1] '|
A:AD16: (F2) [W1] '|
A:A17: {Page} 'C8 (NR PT/VPI)
A:B17: [W1] '|
A:C17: (F3) 234087.742
A:D17: (F3) [W1] '|

A:E17: (F3) 171313.778
A:F17: (F4) [W1] '|
A:G17: (F3) 1065
A:H17: (F3) [W1] '|
A:J17: (F3) [W1] '|
A:L17: (F3) [W1] '|
A:N17: (F3) [W1] '|
A:P17: (F3) [W1] '|
A:R17: (F3) [W1] '|
A:T17: (F3) [W1] '|
A:V17: (F3) [W1] '|
A:X17: (F3) [W1] '|
A:Z17: (F3) [W1] '|
A:AB17: (F3) [W1] '|
A:AD17: (F2) [W1] '|
A:B18: [W1] '|
A:D18: (F3) [W1] '|
A:F18: (F4) [W1] '|
A:H18: (F3) [W1] '|
A:I18: (F3) [W14] (((@COS((198*@PI/180)-(AC18*@PI/180)))*0.013976)*Q18
A:J18: (F3) [W1] '|
A:K18: (F3) +C19-C17
A:L18: (F3) [W1] '|
A:M18: (F3) +E19-E17
A:N18: (F3) [W1] '|
A:O18: (F3) +G19-G17
A:P18: (F3) [W1] '|
A:Q18: (F3) @SQRT((K18*K18)+(M18*M18))
A:R18: (F3) [W1] '|
A:S18: (F3) @SQRT((O18*O18)+(Q18*Q18))
A:T18: (F3) [W1] '|
A:U18: (F3) 100*(O18/Q18)
A:V18: (F3) [W1] '|
A:W18: (F3)
@IF(K18=0#OR#M18=0,@IF(M18=0,@IF(K18<0,30,10),@IF(M18<0,40,20)),@IF(K18>0,@I
F(M18>0,1,4),@IF(M18>0,2,3)))
A:X18: (F3) [W1] '|
A:Y18: (F3)
@IF(W18=10#OR#W18=20#OR#W18=30#OR#W18=40,@IF(W18=10#OR#W18=30,@IF(W1
8=10,0,180),@IF(W18=20,90,270)),@IF(W18=1#OR#W18=2,@IF(W18=1,@ABS(@ATAN(
M18/K18)),@ABS(@ATAN(K18/M18))+@PI/2),@IF(W18=3,@ATAN(M18/K18)+@PI,@AB
S(@ATAN(K18/M18))+3*@PI/2)))

A:Z18: (F3) [W1] '|
A:AB18: (F3) [W1] '|
A:AC18: (F3) @IF(Y18>2*@PI,Y18,Y18*180/@PI)
A:AD18: (F2) [W1] '|
A:A19: {Page} 'A0
A:B19: [W1] '|
A:C19: (F3) 234653.1222
A:D19: (F3) [W1] '|
A:E19: (F3) 171343.4082
A:F19: (F4) [W1] '|
A:G19: (F3) +G17+I18
A:H19: (F3) [W1] '|
A:J19: (F3) [W1] '|
A:L19: (F3) [W1] '|
A:N19: (F3) [W1] '|
A:P19: (F3) [W1] '|
A:R19: (F3) [W1] '|
A:T19: (F3) [W1] '|
A:V19: (F3) [W1] '|
A:X19: (F3) [W1] '|
A:Z19: (F3) [W1] '|
A:AB19: (F3) [W1] '|
A:AD19: (F2) [W1] '|
A:B20: [W1] '|
A:D20: (F3) [W1] '|
A:F20: (F4) [W1] '|
A:H20: (F3) [W1] '|
A:I20: (F3) [W14] (((@COS((198*@PI/180)-(AC20*@PI/180)))*0.013976)*Q20
A:J20: (F3) [W1] '|
A:K20: (F3) +C21-C19
A:L20: (F3) [W1] '|
A:M20: (F3) +E21-E19
A:N20: (F3) [W1] '|
A:O20: (F3) +G21-G19
A:P20: (F3) [W1] '|
A:Q20: (F3) @SQRT((K20*K20)+(M20*M20))
A:R20: (F3) [W1] '|
A:S20: (F3) @SQRT((O20*O20)+(Q20*Q20))
A:T20: (F3) [W1] '|
A:U20: (F3) 100*(O20/Q20)
A:V20: (F3) [W1] '|
A:W20: (F3)

@IF(K20=0#OR#M20=0,@IF(M20=0,@IF(K20<0,30,10),@IF(M20<0,40,20)),@IF(K20>0,@IF(M20>0,1,4),@IF(M20>0,2,3)))

A:X20: (F3) [W1] '|

A:Y20: (F3)

@IF(W20=10#OR#W20=20#OR#W20=30#OR#W20=40,@IF(W20=10#OR#W20=30,@IF(W20=10,0,180),@IF(W20=20,90,270)),@IF(W20=1#OR#W20=2,@IF(W20=1,@ABS(@ATAN(M20/K20)),@ABS(@ATAN(K20/M20))+@PI/2),@IF(W20=3,@ATAN(M20/K20)+@PI,@ABS(@ATAN(K20/M20))+3*@PI/2)))

A:Z20: (F3) [W1] '|

A:AB20: (F3) [W1] '|

A:AC20: (F3) @IF(Y20>2*@PI,Y20,Y20*180/@PI)

A:AD20: (F2) [W1] '|

A:A21: {Page} 'A1

A:B21: [W1] '|

A:C21: (F3) 234661.1042

A:D21: (F3) [W1] '|

A:E21: (F3) 171191.1172

A:F21: (F4) [W1] '|

A:G21: (F3) +G19+I20

A:H21: (F3) [W1] '|

A:J21: (F3) [W1] '|

A:L21: (F3) [W1] '|

A:N21: (F3) [W1] '|

A:P21: (F3) [W1] '|

A:R21: (F3) [W1] '|

A:T21: (F3) [W1] '|

A:V21: (F3) [W1] '|

A:X21: (F3) [W1] '|

A:Z21: (F3) [W1] '|

A:AB21: (F3) [W1] '|

A:AD21: (F2) [W1] '|

A:B22: [W1] '|

A:D22: (F3) [W1] '|

A:F22: (F4) [W1] '|

A:H22: (F3) [W1] '|

A:I22: (F3) [W14] (((@COS((198*@PI/180)-(AC22*@PI/180)))*0.013976)*Q22

A:J22: (F3) [W1] '|

A:K22: (F3) +C23-C21

A:L22: (F3) [W1] '|

A:M22: (F3) +E23-E21

A:N22: (F3) [W1] '|

A:O22: (F3) +G23-G21

A:P22: (F3) [W1] '|
A:Q22: (F3) @SQRT((K22*K22)+(M22*M22))
A:R22: (F3) [W1] '|
A:S22: (F3) @SQRT((O22*O22)+(Q22*Q22))
A:T22: (F3) [W1] '|
A:U22: (F3) 100*(O22/Q22)
A:V22: (F3) [W1] '|
A:W22: (F3)
@IF(K22=0#OR#M22=0,@IF(M22=0,@IF(K22<0,30,10),@IF(M22<0,40,20)),@IF(K22>0,@I
F(M22>0,1,4),@IF(M22>0,2,3)))
A:X22: (F3) [W1] '|
A:Y22: (F3)
@IF(W22=10#OR#W22=20#OR#W22=30#OR#W22=40,@IF(W22=10#OR#W22=30,@IF(W2
2=10,0,180),@IF(W22=20,90,270)),@IF(W22=1#OR#W22=2,@IF(W22=1,@ABS(@ATAN(
M22/K22)),@ABS(@ATAN(K22/M22))+@PI/2),@IF(W22=3,@ATAN(M22/K22)+@PI,@AB
S(@ATAN(K22/M22))+3*@PI/2)))
A:Z22: (F3) [W1] '|
A:AB22: (F3) [W1] '|
A:AC22: (F3) @IF(Y22>2*@PI,Y22,Y22*180/@PI)
A:AD22: (F2) [W1] '|
A:A23: {Page} 'A2
A:B23: [W1] '|
A:C23: (F3) 234800.7073
A:D23: (F3) [W1] '|
A:E23: (F3) 171252.4951
A:F23: (F4) [W1] '|
A:G23: (F3) +G21+I22
A:H23: (F3) [W1] '|
A:J23: (F3) [W1] '|
A:L23: (F3) [W1] '|
A:N23: (F3) [W1] '|
A:P23: (F3) [W1] '|
A:R23: (F3) [W1] '|
A:T23: (F3) [W1] '|
A:V23: (F3) [W1] '|
A:X23: (F3) [W1] '|
A:Z23: (F3) [W1] '|
A:AB23: (F3) [W1] '|
A:AD23: (F2) [W1] '|
A:B24: [W1] '|
A:D24: (F3) [W1] '|
A:F24: (F4) [W1] '|

A:H24: (F3) [W1] '|
A:I24: (F3) [W14] (((@COS((198*@PI/180)-(AC24*@PI/180)))*0.013976)*Q24
A:J24: (F3) [W1] '|
A:K24: (F3) +C25-C23
A:L24: (F3) [W1] '|
A:M24: (F3) +E25-E23
A:N24: (F3) [W1] '|
A:O24: (F3) +G25-G23
A:P24: (F3) [W1] '|
A:Q24: (F3) @SQRT((K24*K24)+(M24*M24))
A:R24: (F3) [W1] '|
A:S24: (F3) @SQRT((O24*O24)+(Q24*Q24))
A:T24: (F3) [W1] '|
A:U24: (F3) 100*(O24/Q24)
A:V24: (F3) [W1] '|
A:W24: (F3)
@IF(K24=0#OR#M24=0,@IF(M24=0,@IF(K24<0,30,10),@IF(M24<0,40,20)),@IF(K24>0,@I
F(M24>0,1,4),@IF(M24>0,2,3)))
A:X24: (F3) [W1] '|
A:Y24: (F3)
@IF(W24=10#OR#W24=20#OR#W24=30#OR#W24=40,@IF(W24=10#OR#W24=30,@IF(W2
4=10,0,180),@IF(W24=20,90,270)),@IF(W24=1#OR#W24=2,@IF(W24=1,@ABS(@ATAN(
M24/K24)),@ABS(@ATAN(K24/M24))+@PI/2),@IF(W24=3,@ATAN(M24/K24)+@PI,@AB
S(@ATAN(K24/M24))+3*@PI/2)))
A:Z24: (F3) [W1] '|
A:AB24: (F3) [W1] '|
A:AC24: (F3) @IF(Y24>2*@PI,Y24,Y24*180/@PI)
A:AD24: [W1] '|
A:A25: {Page} 'A3
A:B25: [W1] '|
A:C25: (F3) 235073.7573
A:D25: (F3) [W1] '|
A:E25: (F3) 170631.4571
A:F25: (F4) [W1] '|
A:G25: (F3) +G23+I24
A:H25: (F3) [W1] '|
A:J25: (F3) [W1] '|
A:L25: (F3) [W1] '|
A:N25: (F3) [W1] '|
A:P25: (F3) [W1] '|
A:R25: (F3) [W1] '|
A:T25: (F3) [W1] '|

A:V25: (F3) [W1] '|
A:X25: (F3) [W1] '|
A:Z25: (F3) [W1] '|
A:AB25: (F3) [W1] '|
A:AD25: [W1] '|
A:B26: [W1] '|
A:D26: (F3) [W1] '|
A:F26: (F4) [W1] '|
A:H26: (F3) [W1] '|
A:I26: (F3) [W14] (((@COS((198*@PI/180)-(AC26*@PI/180)))*0.013976)*Q26
A:J26: (F3) [W1] '|
A:K26: (F3) +C27-C25
A:L26: (F3) [W1] '|
A:M26: (F3) +E27-E25
A:N26: (F3) [W1] '|
A:O26: (F3) +G27-G25
A:P26: (F3) [W1] '|
A:Q26: (F3) @SQRT((K26*K26)+(M26*M26))
A:R26: (F3) [W1] '|
A:S26: (F3) @SQRT((O26*O26)+(Q26*Q26))
A:T26: (F3) [W1] '|
A:U26: (F3) 100*(O26/Q26)
A:V26: (F3) [W1] '|
A:W26: (F3)
@IF(K26=0#OR#M26=0,@IF(M26=0,@IF(K26<0,30,10),@IF(M26<0,40,20)),@IF(K26>0,@I
F(M26>0,1,4),@IF(M26>0,2,3)))
A:X26: (F3) [W1] '|
A:Y26: (F3)
@IF(W26=10#OR#W26=20#OR#W26=30#OR#W26=40,@IF(W26=10#OR#W26=30,@IF(W2
6=10,0,180),@IF(W26=20,90,270)),@IF(W26=1#OR#W26=2,@IF(W26=1,@ABS(@ATAN(
M26/K26)),@ABS(@ATAN(K26/M26))+@PI/2),@IF(W26=3,@ATAN(M26/K26)+@PI,@AB
S(@ATAN(K26/M26))+3*@PI/2)))
A:Z26: (F3) [W1] '|
A:AB26: (F3) [W1] '|
A:AC26: (F3) @IF(Y26>2*@PI,Y26,Y26*180/@PI)
A:AD26: [W1] '|
A:A27: {Page} 'A4
A:B27: [W1] '|
A:C27: (F3) 234928.7213
A:D27: (F3) [W1] '|
A:E27: (F3) 170584.3317
A:F27: (F4) [W1] '|

A:G27: (F3) +G25+I26
A:H27: (F3) [W1] '
A:J27: (F3) [W1] '
A:L27: (F3) [W1] '
A:N27: (F3) [W1] '
A:P27: (F3) [W1] '
A:R27: (F3) [W1] '
A:T27: (F3) [W1] '
A:V27: (F3) [W1] '
~~A:X27: (F3) [W1] '~~
A:Z27: (F3) [W1] '
A:AB27: (F3) [W1] '
A:AD27: [W1] '
A:B28: [W1] '
A:D28: (F3) [W1] '
A:F28: (F4) [W1] '
A:H28: (F3) [W1] '
A:I28: (F3) [W14] ((@COS((198*@PI/180)-(AC28*@PI/180)))*0.013976)*Q28
A:J28: (F3) [W1] '
A:K28: (F3) +C29-C27
A:L28: (F3) [W1] '
A:M28: (F3) +E29-E27
A:N28: (F3) [W1] '
A:O28: (F3) +G29-G27
A:P28: (F3) [W1] '
A:Q28: (F3) @SQRT((K28*K28)+(M28*M28))
A:R28: (F3) [W1] '
A:S28: (F3) @SQRT((O28*O28)+(Q28*Q28))
A:T28: (F3) [W1] '
A:U28: (F3) 100*(O28/Q28)
A:V28: (F3) [W1] '
A:W28: (F3)
@IF(K28=0#OR#M28=0,@IF(M28=0,@IF(K28<0,30,10),@IF(M28<0,40,20)),@IF(K28>0,@I
F(M28>0,1,4),@IF(M28>0,2,3)))
A:X28: (F3) [W1] '
A:Y28: (F3)
@IF(W28=10#OR#W28=20#OR#W28=30#OR#W28=40,@IF(W28=10#OR#W28=30,@IF(W2
8=10,0,180),@IF(W28=20,90,270)),@IF(W28=1#OR#W28=2,@IF(W28=1,@ABS(@ATAN(
M28/K28)),@ABS(@ATAN(K28/M28))+@PI/2),@IF(W28=3,@ATAN(M28/K28)+@PI,@AB
S(@ATAN(K28/M28))+3*@PI/2)))
A:Z28: (F3) [W1] '
A:AB28: (F3) [W1] '

A:AC28: (F3) @IF(Y28>2*@PI,Y28,Y28*180/@PI)
A:AD28: [W1] '|
A:A29: {Page} 'A5
A:B29: [W1] '|
A:C29: (F3) 234969.197
A:D29: (F3) [W1] '|
A:E29: (F3) 170437.3012
A:F29: (F4) [W1] '|
A:G29: (F3) +G27+I28
A:H29: (F3) [W1] '|
A:J29: (F3) [W1] '|
A:L29: (F3) [W1] '|
A:N29: (F3) [W1] '|
A:P29: (F3) [W1] '|
A:R29: (F3) [W1] '|
A:T29: (F3) [W1] '|
A:V29: (F3) [W1] '|
A:X29: (F3) [W1] '|
A:Z29: (F3) [W1] '|
A:AB29: (F3) [W1] '|
A:AD29: [W1] '|
A:B30: [W1] '|
A:D30: (F3) [W1] '|
A:F30: (F4) [W1] '|
A:H30: (F3) [W1] '|
A:I30: (F3) [W14] (((@COS((198*@PI/180)-(AC30*@PI/180)))*0.013976)*Q30
A:J30: (F3) [W1] '|
A:K30: (F3) +C31-C29
A:L30: (F3) [W1] '|
A:M30: (F3) +E31-E29
A:N30: (F3) [W1] '|
A:O30: (F3) +G31-G29
A:P30: (F3) [W1] '|
A:Q30: (F3) @SQRT((K30*K30)+(M30*M30))
A:R30: (F3) [W1] '|
A:S30: (F3) @SQRT((O30*O30)+(Q30*Q30))
A:T30: (F3) [W1] '|
A:U30: (F3) 100*(O30/Q30)
A:V30: (F3) [W1] '|
A:W30: (F3)
@IF(K30=0#OR#M30=0,@IF(M30=0,@IF(K30<0,30,10),@IF(M30<0,40,20)),@IF(K30>0,@I
F(M30>0,1,4),@IF(M30>0,2,3)))

A:X30: (F3) [W1] '|

A:Y30: (F3)

@IF(W30=10#OR#W30=20#OR#W30=30#OR#W30=40,@IF(W30=10#OR#W30=30,@IF(W30=10,0,180),@IF(W30=20,90,270)),@IF(W30=1#OR#W30=2,@IF(W30=1,@ABS(@ATAN(M30/K30)),@ABS(@ATAN(K30/M30))+@PI/2),@IF(W30=3,@ATAN(M30/K30)+@PI,@ABS(@ATAN(K30/M30))+3*@PI/2)))

A:Z30: (F3) [W1] '|

A:AB30: (F3) [W1] '|

A:AC30: (F3) @IF(Y30>2*@PI,Y30,Y30*180/@PI)

A:AD30: [W1] '|

A:A31: {Page} 'A6

A:B31: [W1] '|

A:C31: (F3) 234516.2504

A:D31: (F3) [W1] '|

A:E31: (F3) 170310.7367

A:F31: (F4) [W1] '|

A:G31: (F3) +G29+I30

A:H31: (F3) [W1] '|

A:J31: (F3) [W1] '|

A:L31: (F3) [W1] '|

A:N31: (F3) [W1] '|

A:P31: (F3) [W1] '|

A:R31: (F3) [W1] '|

A:T31: (F3) [W1] '|

A:V31: (F3) [W1] '|

A:X31: (F3) [W1] '|

A:Z31: (F3) [W1] '|

A:AB31: (F3) [W1] '|

A:AD31: [W1] '|

A:B32: [W1] '|

A:D32: (F3) [W1] '|

A:F32: (F4) [W1] '|

A:H32: (F3) [W1] '|

A:I32: (F3) [W14] (((@COS((198*@PI/180)-(AC32*@PI/180)))*0.013976)*Q32

A:J32: (F3) [W1] '|

A:K32: (F3) +C33-C31

A:L32: (F3) [W1] '|

A:M32: (F3) +E33-E31

A:N32: (F3) [W1] '|

A:O32: (F3) +G33-G31

A:P32: (F3) [W1] '|

A:Q32: (F3) @SQRT((K32*K32)+(M32*M32))

A:R32: (F3) [W1] '|
A:S32: (F3) @SQRT((O32*O32)+(Q32*Q32))
A:T32: (F3) [W1] '|
A:U32: (F3) 100*(O32/Q32)
A:V32: (F3) [W1] '|
A:W32: (F3)
@IF(K32=0#OR#M32=0,@IF(M32=0,@IF(K32<0,30,10),@IF(M32<0,40,20)),@IF(K32>0,@I
F(M32>0,1,4),@IF(M32>0,2,3)))
A:X32: (F3) [W1] '|
A:Y32: (F3)
@IF(W32=10#OR#W32=20#OR#W32=30#OR#W32=40,@IF(W32=10#OR#W32=30,@IF(W3
2=10,0,180),@IF(W32=20,90,270)),@IF(W32=1#OR#W32=2,@IF(W32=1,@ABS(@ATAN(
M32/K32)),@ABS(@ATAN(K32/M32))+@PI/2),@IF(W32=3,@ATAN(M32/K32)+@PI,@AB
S(@ATAN(K32/M32))+3*@PI/2)))
A:Z32: (F3) [W1] '|
A:AB32: (F3) [W1] '|
A:AC32: (F3) @IF(Y32>2*@PI,Y32,Y32*180/@PI)
A:AD32: [W1] '|
A:A33: {Page} 'A7
A:B33: [W1] '|
A:C33: (F3) 234650.8078
A:D33: (F3) [W1] '|
A:E33: (F3) 169829.1828
A:F33: (F4) [W1] '|
A:G33: (F3) +G31+I32
A:H33: (F3) [W1] '|
A:J33: (F3) [W1] '|
A:L33: (F3) [W1] '|
A:N33: (F3) [W1] '|
A:P33: (F3) [W1] '|
A:R33: (F3) [W1] '|
A:T33: (F3) [W1] '|
A:V33: (F3) [W1] '|
A:X33: (F3) [W1] '|
A:Z33: (F3) [W1] '|
A:AB33: (F3) [W1] '|
A:AD33: [W1] '|
A:B34: [W1] '|
A:D34: (F3) [W1] '|
A:F34: (F4) [W1] '|
A:H34: (F3) [W1] '|
A:I34: (F3) [W14] (((@COS((198*@PI/180)-(AC34*@PI/180)))*0.013976)*Q34

A:J34: (F3) [W1] '|
A:K34: (F3) +C35-C33
A:L34: (F3) [W1] '|
A:M34: (F3) +E35-E33
A:N34: (F3) [W1] '|
A:O34: (F3) +G35-G33
A:P34: (F3) [W1] '|
A:Q34: (F3) @SQRT((K34*K34)+(M34*M34))
A:R34: (F3) [W1] '|
A:S34: (F3) @SQRT((O34*O34)+(Q34*Q34))
A:T34: (F3) [W1] '|
A:U34: (F3) 100*(O34/Q34)
A:V34: (F3) [W1] '|
A:W34: (F3)

@IF(K34=0#OR#M34=0,@IF(M34=0,@IF(K34<0,30,10),@IF(M34<0,40,20)),@IF(K34>0,@IF(M34>0,1,4),@IF(M34>0,2,3)))

A:X34: (F3) [W1] '|
A:Y34: (F3)

@IF(W34=10#OR#W34=20#OR#W34=30#OR#W34=40,@IF(W34=10#OR#W34=30,@IF(W34=10,0,180),@IF(W34=20,90,270)),@IF(W34=1#OR#W34=2,@IF(W34=1,@ABS(@ATAN(M34/K34)),@ABS(@ATAN(K34/M34))+@PI/2),@IF(W34=3,@ATAN(M34/K34)+@PI,@ABS(@ATAN(K34/M34))+3*@PI/2)))

A:Z34: (F3) [W1] '|
A:AB34: (F3) [W1] '|
A:AC34: (F3) @IF(Y34>2*@PI,Y34,Y34*180/@PI)

A:AD34: [W1] '|
A:A35: {Page} 'A8
A:B35: [W1] '|
A:C35: (F3) 234425.6886
A:D35: (F3) [W1] '|
A:E35: (F3) 170275.6367
A:F35: (F4) [W1] '|
A:G35: (F3) +G33+I34
A:H35: (F3) [W1] '|
A:J35: (F3) [W1] '|
A:L35: (F3) [W1] '|
A:N35: (F3) [W1] '|
A:P35: (F3) [W1] '|
A:R35: (F3) [W1] '|
A:T35: (F3) [W1] '|
A:V35: (F3) [W1] '|
A:X35: (F3) [W1] '|

A:Z35: (F3) [W1] '|
A:AB35: (F3) [W1] '|
A:AD35: [W1] '|
A:B36: [W1] '|
A:D36: (F3) [W1] '|
A:F36: (F4) [W1] '|
A:H36: (F3) [W1] '|
A:I36: (F3) [W14] (((@COS((198*@PI/180)-(AC36*@PI/180)))*0.013976)*Q36
A:J36: (F3) [W1] '|
A:K36: (F3) +C37-C35
A:L36: (F3) [W1] '|
A:M36: (F3) +E37-E35
A:N36: (F3) [W1] '|
A:O36: (F3) +G37-G35
A:P36: (F3) [W1] '|
A:Q36: (F3) @SQRT((K36*K36)+(M36*M36))
A:R36: (F3) [W1] '|
A:S36: (F3) @SQRT((O36*O36)+(Q36*Q36))
A:T36: (F3) [W1] '|
A:U36: (F3) 100*(O36/Q36)
A:V36: (F3) [W1] '|
A:W36: (F3)
@IF(K36=0#OR#M36=0,@IF(M36=0,@IF(K36<0,30,10),@IF(M36<0,40,20)),@IF(K36>0,@I
F(M36>0,1,4),@IF(M36>0,2,3)))
A:X36: (F3) [W1] '|
A:Y36: (F3)
@IF(W36=10#OR#W36=20#OR#W36=30#OR#W36=40,@IF(W36=10#OR#W36=30,@IF(W3
6=10,0,180),@IF(W36=20,90,270)),@IF(W36=1#OR#W36=2,@IF(W36=1,@ABS(@ATAN(
M36/K36)),@ABS(@ATAN(K36/M36))+@PI/2),@IF(W36=3,@ATAN(M36/K36)+@PI,@AB
S(@ATAN(K36/M36))+3*@PI/2)))
A:Z36: (F3) [W1] '|
A:AB36: (F3) [W1] '|
A:AC36: (F3) @IF(Y36>2*@PI,Y36,Y36*180/@PI)
A:AD36: [W1] '|
A:A37: {Page} 'A9
A:B37: [W1] '|
A:C37: (F3) 234258.9853
A:D37: (F3) [W1] '|
A:E37: (F3) 170191.5785
A:F37: (F4) [W1] '|
A:G37: (F3) +G35+I36
A:H37: (F3) [W1] '|

A:J37: (F3) [W1] '|
A:L37: (F3) [W1] '|
A:N37: (F3) [W1] '|
A:P37: (F3) [W1] '|
A:R37: (F3) [W1] '|
A:T37: (F3) [W1] '|
A:V37: (F3) [W1] '|
A:X37: (F3) [W1] '|
A:Z37: (F3) [W1] '|
A:AB37: (F3) [W1] '|
A:AD37: [W1] '|
A:B38: [W1] '|
A:D38: (F3) [W1] '|
A:F38: (F4) [W1] '|
A:H38: (F3) [W1] '|
A:I38: (F3) [W14] (((@COS((198*@PI/180)-(AC38*@PI/180)))*0.013976)*Q38
A:J38: (F3) [W1] '|
A:K38: (F3) +C39-C37
A:L38: (F3) [W1] '|
A:M38: (F3) +E39-E37
A:N38: (F3) [W1] '|
A:O38: (F3) +G39-G37
A:P38: (F3) [W1] '|
A:Q38: (F3) @SQRT((K38*K38)+(M38*M38))
A:R38: (F3) [W1] '|
A:S38: (F3) @SQRT((O38*O38)+(Q38*Q38))
A:T38: (F3) [W1] '|
A:U38: (F3) 100*(O38/Q38)
A:V38: (F3) [W1] '|
A:W38: (F3)
@IF(K38=0#OR#M38=0,@IF(M38=0,@IF(K38<0,30,10),@IF(M38<0,40,20)),@IF(K38>0,@I
F(M38>0,1,4),@IF(M38>0,2,3)))
A:X38: (F3) [W1] '|
A:Y38: (F3)
@IF(W38=10#OR#W38=20#OR#W38=30#OR#W38=40,@IF(W38=10#OR#W38=30,@IF(W3
8=10,0,180),@IF(W38=20,90,270)),@IF(W38=1#OR#W38=2,@IF(W38=1,@ABS(@ATAN(
M38/K38)),@ABS(@ATAN(K38/M38))+@PI/2),@IF(W38=3,@ATAN(M38/K38)+@PI,@AB
S(@ATAN(K38/M38))+3*@PI/2)))
A:Z38: (F3) [W1] '|
A:AB38: (F3) [W1] '|
A:AC38: (F3) @IF(Y38>2*@PI,Y38,Y38*180/@PI)
A:AD38: [W1] '|

A:A39: {Page} 'B0
A:B39: [W1] '
A:C39: (F3) 234033.8325
A:D39: (F3) [W1] '
A:E39: (F3) 170638.0157
A:F39: (F4) [W1] '
A:G39: (F3) +G37+I38
A:H39: (F3) [W1] '
A:J39: (F3) [W1] '
A:L39: (F3) [W1] '
A:N39: (F3) [W1] '
A:P39: (F3) [W1] '
A:R39: (F3) [W1] '
A:T39: (F3) [W1] '
A:V39: (F3) [W1] '
A:X39: (F3) [W1] '
A:Z39: (F3) [W1] '
A:AB39: (F3) [W1] '
A:AD39: [W1] '
A:B40: [W1] '
A:D40: (F3) [W1] '
A:F40: (F4) [W1] '
A:H40: (F3) [W1] '
A:I40: (F3) [W14] (((@COS((198*@PI/180)-(AC40*@PI/180)))*0.013976)*Q40
A:J40: (F3) [W1] '
A:K40: (F3) +C41-C39
A:L40: (F3) [W1] '
A:M40: (F3) +E41-E39
A:N40: (F3) [W1] '
A:O40: (F3) +G41-G39
A:P40: (F3) [W1] '
A:Q40: (F3) @SQRT((K40*K40)+(M40*M40))
A:R40: (F3) [W1] '
A:S40: (F3) @SQRT((O40*O40)+(Q40*Q40))
A:T40: (F3) [W1] '
A:U40: (F3) 100*(O40/Q40)
A:V40: (F3) [W1] '
A:W40: (F3)
@IF(K40=0#OR#M40=0,@IF(M40=0,@IF(K40<0,30,10),@IF(M40<0,40,20)),@IF(K40>0,@I
F(M40>0,1,4),@IF(M40>0,2,3)))
A:X40: (F3) [W1] '
A:Y40: (F3)

@IF(W40=10#OR#W40=20#OR#W40=30#OR#W40=40,@IF(W40=10#OR#W40=30,@IF(W40=10,0,180),@IF(W40=20,90,270)),@IF(W40=1#OR#W40=2,@IF(W40=1,@ABS(@ATAN(M40/K40)),@ABS(@ATAN(K40/M40))+@PI/2),@IF(W40=3,@ATAN(M40/K40)+@PI,@ABS(@ATAN(K40/M40))+3*@PI/2)))

A:Z40: (F3) [W1] '|

A:AB40: (F3) [W1] '|

A:AC40: (F3) @IF(Y40>2*@PI,Y40,Y40*180/@PI)

A:AD40: [W1] '|

A:A41: {Page} 'B1

A:B41: [W1] '|

A:C41: (F3) 234087.4059

A:D41: (F3) [W1] '|

A:E41: (F3) 170140.8941

A:F41: (F4) [W1] '|

A:G41: (F3) +G39+I40

A:H41: (F3) [W1] '|

A:J41: (F3) [W1] '|

A:L41: (F3) [W1] '|

A:N41: (F3) [W1] '|

A:P41: (F3) [W1] '|

A:R41: (F3) [W1] '|

A:T41: (F3) [W1] '|

A:V41: (F3) [W1] '|

A:X41: (F3) [W1] '|

A:Z41: (F3) [W1] '|

A:AB41: (F3) [W1] '|

A:AD41: [W1] '|

A:B42: [W1] '|

A:D42: (F3) [W1] '|

A:F42: (F4) [W1] '|

A:H42: (F3) [W1] '|

A:I42: (F3) [W14] (((@COS((198*@PI/180)-(AC42*@PI/180)))*0.013976)*Q42

A:J42: (F3) [W1] '|

A:K42: (F3) +C43-C41

A:L42: (F3) [W1] '|

A:M42: (F3) +E43-E41

A:N42: (F3) [W1] '|

A:O42: (F3) +G43-G41

A:P42: (F3) [W1] '|

A:Q42: (F3) @SQRT((K42*K42)+(M42*M42))

A:R42: (F3) [W1] '|

A:S42: (F3) @SQRT((O42*O42)+(Q42*Q42))

A:T42: (F3) [W1] '
A:U42: (F3) 100*(O42/Q42)
A:V42: (F3) [W1] '
A:W42: (F3)
@IF(K42=0#OR#M42=0,@IF(M42=0,@IF(K42<0,30,10),@IF(M42<0,40,20)),@IF(K42>0,@I
F(M42>0,1,4),@IF(M42>0,2,3)))
A:X42: (F3) [W1] '
A:Y42: (F3)
@IF(W42=10#OR#W42=20#OR#W42=30#OR#W42=40,@IF(W42=10#OR#W42=30,@IF(W4
2=10,0,180),@IF(W42=20,90,270)),@IF(W42=1#OR#W42=2,@IF(W42=1,@ABS(@ATAN(
M42/K42)),@ABS(@ATAN(K42/M42))+@PI/2),@IF(W42=3,@ATAN(M42/K42)+@PI,@AB
S(@ATAN(K42/M42))+3*@PI/2)))
A:Z42: (F3) [W1] '
A:AB42: (F3) [W1] '
A:AC42: (F3) @IF(Y42>2*@PI,Y42,Y42*180/@PI)
A:AD42: [W1] '
A:A43: {Page} 'B2
A:B43: [W1] '
A:C43: (F3) 232884.454
A:D43: (F3) [W1] '
A:E43: (F3) 170011.2693
A:F43: (F4) [W1] '
A:G43: (F3) +G41+I42
A:H43: (F3) [W1] '
A:J43: (F3) [W1] '
A:L43: (F3) [W1] '
A:N43: (F3) [W1] '
A:P43: (F3) [W1] '
A:R43: (F3) [W1] '
A:T43: (F3) [W1] '
A:V43: (F3) [W1] '
A:X43: (F3) [W1] '
A:Z43: (F3) [W1] '
A:AB43: (F3) [W1] '
A:AD43: [W1] '
A:B44: [W1] '
A:D44: (F3) [W1] '
A:F44: (F4) [W1] '
A:H44: (F3) [W1] '
A:I44: (F3) [W14] (((@COS((198*@PI/180)-(AC44*@PI/180)))*0.013976)*Q44
A:J44: (F3) [W1] '
A:K44: (F3) +C45-C43

A:L44: (F3) [W1] '|
A:M44: (F3) +E45-E43
A:N44: (F3) [W1] '|
A:O44: (F3) +G45-G43
A:P44: (F3) [W1] '|
A:Q44: (F3) @SQRT((K44*K44)+(M44*M44))
A:R44: (F3) [W1] '|
A:S44: (F3) @SQRT((O44*O44)+(Q44*Q44))
A:T44: (F3) [W1] '|
A:U44: (F3) 100*(O44/Q44)
A:V44: (F3) [W1] '|
A:W44: (F3)
@IF(K44=0#OR#M44=0,@IF(M44=0,@IF(K44<0,30,10),@IF(M44<0,40,20)),@IF(K44>0,@I
F(M44>0,1,4),@IF(M44>0,2,3)))
A:X44: (F3) [W1] '|
A:Y44: (F3)
@IF(W44=10#OR#W44=20#OR#W44=30#OR#W44=40,@IF(W44=10#OR#W44=30,@IF(W4
4=10,0,180),@IF(W44=20,90,270)),@IF(W44=1#OR#W44=2,@IF(W44=1,@ABS(@ATAN(
M44/K44)),@ABS(@ATAN(K44/M44))+@PI/2),@IF(W44=3,@ATAN(M44/K44)+@PI,@AB
S(@ATAN(K44/M44))+3*@PI/2)))
A:Z44: (F3) [W1] '|
A:AB44: (F3) [W1] '|
A:AC44: (F3) @IF(Y44>2*@PI,Y44,Y44*180/@PI)
A:AD44: [W1] '|
A:A45: {Page} 'B3
A:B45: [W1] '|
A:C45: (F3) 232830.8862
A:D45: (F3) [W1] '|
A:E45: (F3) 170508.3915
A:F45: (F4) [W1] '|
A:G45: (F3) +G43+I44
A:H45: (F3) [W1] '|
A:J45: (F3) [W1] '|
A:L45: (F3) [W1] '|
A:N45: (F3) [W1] '|
A:P45: (F3) [W1] '|
A:R45: (F3) [W1] '|
A:T45: (F3) [W1] '|
A:V45: (F3) [W1] '|
A:X45: (F3) [W1] '|
A:Z45: (F3) [W1] '|
A:AB45: (F3) [W1] '|

A:AD45: [W1] '|
A:B46: [W1] '|
A:D46: (F3) [W1] '|
A:F46: (F4) [W1] '|
A:H46: (F3) [W1] '|
A:I46: (F3) [W14] (((@COS((198*@PI/180)-(AC46*@PI/180)))*0.013976)*Q46
A:J46: (F3) [W1] '|
A:K46: (F3) +C47-C45
A:L46: (F3) [W1] '|
A:M46: (F3) +E47-E45
A:N46: (F3) [W1] '|
A:O46: (F3) +G47-G45
A:P46: (F3) [W1] '|
A:Q46: (F3) @SQRT((K46*K46)+(M46*M46))
A:R46: (F3) [W1] '|
A:S46: (F3) @SQRT((O46*O46)+(Q46*Q46))
A:T46: (F3) [W1] '|
A:U46: (F3) 100*(O46/Q46)
A:V46: (F3) [W1] '|
A:W46: (F3)
@IF(K46=0#OR#M46=0,@IF(M46=0,@IF(K46<0,30,10),@IF(M46<0,40,20)),@IF(K46>0,@I
F(M46>0,1,4),@IF(M46>0,2,3)))
A:X46: (F3) [W1] '|
A:Y46: (F3)
@IF(W46=10#OR#W46=20#OR#W46=30#OR#W46=40,@IF(W46=10#OR#W46=30,@IF(W4
6=10,0,180),@IF(W46=20,90,270)),@IF(W46=1#OR#W46=2,@IF(W46=1,@ABS(@ATAN(
M46/K46)),@ABS(@ATAN(K46/M46))+@PI/2),@IF(W46=3,@ATAN(M46/K46)+@PI,@AB
S(@ATAN(K46/M46))+3*@PI/2)))
A:Z46: (F3) [W1] '|
A:AB46: (F3) [W1] '|
A:AC46: (F3) @IF(Y46>2*@PI,Y46,Y46*180/@PI)
A:AD46: [W1] '|
A:A47: {Page} 'B4
A:B47: [W1] '|
A:C47: (F3) 232708.9193
A:D47: (F3) [W1] '|
A:E47: (F3) 170023.4956
A:F47: (F4) [W1] '|
A:G47: (F3) +G45+I46
A:H47: (F3) [W1] '|
A:J47: (F3) [W1] '|
A:L47: (F3) [W1] '|

A:N47: (F3) [W1] '|
A:P47: (F3) [W1] '|
A:R47: (F3) [W1] '|
A:T47: (F3) [W1] '|
A:V47: (F3) [W1] '|
A:X47: (F3) [W1] '|
A:Z47: (F3) [W1] '|
A:AB47: (F3) [W1] '|
A:AD47: [W1] '|
A:B48: [W1] '|
A:D48: (F3) [W1] '|
A:F48: (F4) [W1] '|
A:H48: (F3) [W1] '|
A:I48: (F3) [W14] (((@COS((198*@PI/180)-(AC48*@PI/180)))*0.013976)*Q48
A:J48: (F3) [W1] '|
A:K48: (F3) +C49-C47
A:L48: (F3) [W1] '|
A:M48: (F3) +E49-E47
A:N48: (F3) [W1] '|
A:O48: (F3) +G49-G47
A:P48: (F3) [W1] '|
A:Q48: (F3) @SQRT((K48*K48)+(M48*M48))
A:R48: (F3) [W1] '|
A:S48: (F3) @SQRT((O48*O48)+(Q48*Q48))
A:T48: (F3) [W1] '|
A:U48: (F3) 100*(O48/Q48)
A:V48: (F3) [W1] '|
A:W48: (F3)
@IF(K48=0#OR#M48=0,@IF(M48=0,@IF(K48<0,30,10),@IF(M48<0,40,20)),@IF(K48>0,@I
F(M48>0,1,4),@IF(M48>0,2,3)))
A:X48: (F3) [W1] '|
A:Y48: (F3)
@IF(W48=10#OR#W48=20#OR#W48=30#OR#W48=40,@IF(W48=10#OR#W48=30,@IF(W4
8=10,0,180),@IF(W48=20,90,270)),@IF(W48=1#OR#W48=2,@IF(W48=1,@ABS(@ATAN(
M48/K48)),@ABS(@ATAN(K48/M48))+@PI/2),@IF(W48=3,@ATAN(M48/K48)+@PI,@AB
S(@ATAN(K48/M48))+3*@PI/2)))
A:Z48: (F3) [W1] '|
A:AB48: (F3) [W1] '|
A:AC48: (F3) @IF(Y48>2*@PI,Y48,Y48*180/@PI)
A:AD48: [W1] '|
A:A49: {Page} 'B5
A:B49: [W1] '|

A:C49: (F3) 231048.6809
A:D49: (F3) [W1] '|
A:E49: (F3) 170441.1016
A:F49: (F4) [W1] '|
A:G49: (F3) +G47+I48
A:H49: (F3) [W1] '|
A:J49: (F3) [W1] '|
A:L49: (F3) [W1] '|
A:N49: (F3) [W1] '|
A:P49: (F3) [W1] '|
A:R49: (F3) [W1] '|
A:T49: (F3) [W1] '|
A:V49: (F3) [W1] '|
A:X49: (F3) [W1] '|
A:Z49: (F3) [W1] '|
A:AB49: (F3) [W1] '|
A:AD49: [W1] '|
A:B50: [W1] '|
A:D50: (F3) [W1] '|
A:F50: (F4) [W1] '|
A:H50: (F3) [W1] '|
A:I50: (F3) [W14] (((@COS((198*@PI/180)-(AC50*@PI/180)))*0.013976)*Q50
A:J50: (F3) [W1] '|
A:K50: (F3) +C51-C49
A:L50: (F3) [W1] '|
A:M50: (F3) +E51-E49
A:N50: (F3) [W1] '|
A:O50: (F3) +G51-G49
A:P50: (F3) [W1] '|
A:Q50: (F3) @SQRT((K50*K50)+(M50*M50))
A:R50: (F3) [W1] '|
A:S50: (F3) @SQRT((O50*O50)+(Q50*Q50))
A:T50: (F3) [W1] '|
A:U50: (F3) 100*(O50/Q50)
A:V50: (F3) [W1] '|
A:W50: (F3)
@IF(K50=0#OR#M50=0,@IF(M50=0,@IF(K50<0,30,10),@IF(M50<0,40,20)),@IF(K50>0,@I
F(M50>0,1,4),@IF(M50>0,2,3)))
A:X50: (F3) [W1] '|
A:Y50: (F3)
@IF(W50=10#OR#W50=20#OR#W50=30#OR#W50=40,@IF(W50=10#OR#W50=30,@IF(W5
0=10,0,180),@IF(W50=20,90,270)),@IF(W50=1#OR#W50=2,@IF(W50=1,@ABS(@ATAN(

M50/K50)),@ABS(@ATAN(K50/M50))+@PI/2),@IF(W50=3,@ATAN(M50/K50)+@PI,@ABS(@ATAN(K50/M50))+3*@PI/2)))

A:Z50: (F3) [W1] "

A:AB50: (F3) [W1] "

A:AC50: (F3) @IF(Y50>2*@PI,Y50,Y50*180/@PI)

A:AD50: [W1] "

A:A51: {Page} 'B9

A:B51: [W1] "

A:C51: (F3) 231119.7957

A:D51: (F3) [W1] "

A:E51: (F3) 170723.8268

A:F51: (F4) [W1] "

A:G51: (F3) +G49+I50

A:H51: (F3) [W1] "

A:J51: (F3) [W1] "

A:L51: (F3) [W1] "

A:N51: (F3) [W1] "

A:P51: (F3) [W1] "

A:R51: (F3) [W1] "

A:T51: (F3) [W1] "

A:V51: (F3) [W1] "

A:X51: (F3) [W1] "

A:Z51: (F3) [W1] "

A:AB51: (F3) [W1] "

A:AD51: [W1] "

A:B52: [W1] "

A:D52: (F3) [W1] "

A:F52: (F4) [W1] "

A:H52: (F3) [W1] "

A:I52: (F3) [W14] (((@COS((198*@PI/180)-(AC52*@PI/180)))*0.013976)*Q52

A:J52: (F3) [W1] "

A:K52: (F3) +C53-C51

A:L52: (F3) [W1] "

A:M52: (F3) +E53-E51

A:N52: (F3) [W1] "

A:O52: (F3) +G53-G51

A:P52: (F3) [W1] "

A:Q52: (F3) @SQRT((K52*K52)+(M52*M52))

A:R52: (F3) [W1] "

A:S52: (F3) @SQRT((O52*O52)+(Q52*Q52))

A:T52: (F3) [W1] "

A:U52: (F3) 100*(O52/Q52)

A:V52: (F3) [W1] '|
A:W52: (F3)
@IF(K52=0#OR#M52=0,@IF(M52=0,@IF(K52<0,30,10),@IF(M52<0,40,20)),@IF(K52>0,@I
F(M52>0,1,4),@IF(M52>0,2,3)))
A:X52: (F3) [W1] '|
A:Y52: (F3)
@IF(W52=10#OR#W52=20#OR#W52=30#OR#W52=40,@IF(W52=10#OR#W52=30,@IF(W5
2=10,0,180),@IF(W52=20,90,270)),@IF(W52=1#OR#W52=2,@IF(W52=1,@ABS(@ATAN(
M52/K52)),@ABS(@ATAN(K52/M52))+@PI/2),@IF(W52=3,@ATAN(M52/K52)+@PI,@AB
S(@ATAN(K52/M52))+3*@PI/2)))
A:Z52: (F3) [W1] '|
A:AB52: (F3) [W1] '|
A:AC52: (F3) @IF(Y52>2*@PI,Y52,Y52*180/@PI)
A:AD52: [W1] '|
A:A53: {Page} 'C0
A:B53: [W1] '|
A:C53: (F3) 231004.7437
A:D53: (F3) [W1] '|
A:E53: (F3) 170991.6961
A:F53: (F4) [W1] '|
A:G53: (F3) +G51+I52
A:H53: (F3) [W1] '|
A:J53: (F3) [W1] '|
A:L53: (F3) [W1] '|
A:N53: (F3) [W1] '|
A:P53: (F3) [W1] '|
A:R53: (F3) [W1] '|
A:T53: (F3) [W1] '|
A:V53: (F3) [W1] '|
A:X53: (F3) [W1] '|
A:Z53: (F3) [W1] '|
A:AB53: (F3) [W1] '|
A:AD53: [W1] '|
A:B54: [W1] '|
A:D54: (F3) [W1] '|
A:F54: (F4) [W1] '|
A:H54: (F3) [W1] '|
A:I54: (F3) [W14] (((@COS((198*@PI/180)-(AC54*@PI/180)))*0.013976)*Q54
A:J54: (F3) [W1] '|
A:K54: (F3) +C55-C53
A:L54: (F3) [W1] '|
A:M54: (F3) +E55-E53

A:N54: (F3) [W1] '|
A:O54: (F3) +G55-G53
A:P54: (F3) [W1] '|
A:Q54: (F3) @SQRT((K54*K54)+(M54*M54))
A:R54: (F3) [W1] '|
A:S54: (F3) @SQRT((O54*O54)+(Q54*Q54))
A:T54: (F3) [W1] '|
A:U54: (F3) 100*(O54/Q54)
A:V54: (F3) [W1] '|
A:W54: (F3)
@IF(K54=0#OR#M54=0,@IF(M54=0,@IF(K54<0,30,10),@IF(M54<0,40,20)),@IF(K54>0,@I
F(M54>0,1,4),@IF(M54>0,2,3)))
A:X54: (F3) [W1] '|
A:Y54: (F3)
@IF(W54=10#OR#W54=20#OR#W54=30#OR#W54=40,@IF(W54=10#OR#W54=30,@IF(W5
4=10,0,180),@IF(W54=20,90,270)),@IF(W54=1#OR#W54=2,@IF(W54=1,@ABS(@ATAN(
M54/K54)),@ABS(@ATAN(K54/M54))+@PI/2),@IF(W54=3,@ATAN(M54/K54)+@PI,@AB
S(@ATAN(K54/M54))+3*@PI/2)))
A:Z54: (F3) [W1] '|
A:AB54: (F3) [W1] '|
A:AC54: (F3) @IF(Y54>2*@PI,Y54,Y54*180/@PI)
A:AD54: [W1] '|
A:A55: {Page} 'C1
A:B55: [W1] '|
A:C55: (F3) 231274.1355
A:D55: (F3) [W1] '|
A:E55: (F3) 171107.4021
A:F55: (F4) [W1] '|
A:G55: (F3) +G53+I54
A:H55: (F3) [W1] '|
A:J55: (F3) [W1] '|
A:L55: (F3) [W1] '|
A:N55: (F3) [W1] '|
A:P55: (F3) [W1] '|
A:R55: (F3) [W1] '|
A:T55: (F3) [W1] '|
A:V55: (F3) [W1] '|
A:X55: (F3) [W1] '|
A:Z55: (F3) [W1] '|
A:AB55: (F3) [W1] '|
A:AD55: [W1] '|
A:B56: [W1] '|

A:D56: (F3) [W1] "
A:F56: (F4) [W1] "
A:H56: (F3) [W1] "
A:I56: (F3) [W14] (((@COS((198*@PI/180)-(AC56*@PI/180)))*0.013976)*Q56
A:J56: (F3) [W1] "
A:K56: (F3) +C57-C55
A:L56: (F3) [W1] "
A:M56: (F3) +E57-E55
A:N56: (F3) [W1] "
A:O56: (F3) +G57-G55
A:P56: (F3) [W1] "
A:Q56: (F3) @SQRT((K56*K56)+(M56*M56))
A:R56: (F3) [W1] "
A:S56: (F3) @SQRT((O56*O56)+(Q56*Q56))
A:T56: (F3) [W1] "
A:U56: (F3) 100*(O56/Q56)
A:V56: (F3) [W1] "
A:W56: (F3)
@IF(K56=0#OR#M56=0,@IF(M56=0,@IF(K56<0,30,10),@IF(M56<0,40,20)),@IF(K56>0,@I
F(M56>0,1,4),@IF(M56>0,2,3)))
A:X56: (F3) [W1] "
A:Y56: (F3)
@IF(W56=10#OR#W56=20#OR#W56=30#OR#W56=40,@IF(W56=10#OR#W56=30,@IF(W5
6=10,0,180),@IF(W56=20,90,270)),@IF(W56=1#OR#W56=2,@IF(W56=1,@ABS(@ATAN(
M56/K56)),@ABS(@ATAN(K56/M56))+@PI/2),@IF(W56=3,@ATAN(M56/K56)+@PI,@AB
S(@ATAN(K56/M56))+3*@PI/2)))
A:Z56: (F3) [W1] "
A:AB56: (F3) [W1] "
A:AC56: (F3) @IF(Y56>2*@PI,Y56,Y56*180/@PI)
A:AD56: [W1] "
A:A57: {Page} 'C2
A:B57: [W1] "
A:C57: (F3) 231394.5055
A:D57: (F3) [W1] "
A:E57: (F3) 170827.1591
A:F57: (F4) [W1] "
A:G57: (F3) +G55+I56
A:H57: (F3) [W1] "
A:J57: (F3) [W1] "
A:L57: (F3) [W1] "
A:N57: (F3) [W1] "
A:P57: (F3) [W1] "

A:R57: (F3) [W1] '
A:T57: (F3) [W1] '
A:V57: (F3) [W1] '
A:X57: (F3) [W1] '
A:Z57: (F3) [W1] '
A:AB57: (F3) [W1] '
A:AD57: [W1] '
A:B58: [W1] '
A:D58: (F3) [W1] '
A:F58: (F4) [W1] '
A:H58: (F3) [W1] '
A:I58: (F3) [W14] (((@COS((198*@PI/180)-(AC58*@PI/180)))*0.013976)*Q58
A:J58: (F3) [W1] '
A:K58: (F3) +C59-C57
A:L58: (F3) [W1] '
A:M58: (F3) +E59-E57
A:N58: (F3) [W1] '
A:O58: (F3) +G59-G57
A:P58: (F3) [W1] '
A:Q58: (F3) @SQRT((K58*K58)+(M58*M58))
A:R58: (F3) [W1] '
A:S58: (F3) @SQRT((O58*O58)+(Q58*Q58))
A:T58: (F3) [W1] '
A:U58: (F3) 100*(O58/Q58)
A:V58: (F3) [W1] '
A:W58: (F3)
@IF(K58=0#OR#M58=0,@IF(M58=0,@IF(K58<0,30,10),@IF(M58<0,40,20)),@IF(K58>0,@I
F(M58>0,1,4),@IF(M58>0,2,3)))
A:X58: (F3) [W1] '
A:Y58: (F3)
@IF(W58=10#OR#W58=20#OR#W58=30#OR#W58=40,@IF(W58=10#OR#W58=30,@IF(W5
8=10,0,180),@IF(W58=20,90,270)),@IF(W58=1#OR#W58=2,@IF(W58=1,@ABS(@ATAN(
M58/K58)),@ABS(@ATAN(K58/M58))+@PI/2),@IF(W58=3,@ATAN(M58/K58)+@PI,@AB
S(@ATAN(K58/M58))+3*@PI/2)))
A:Z58: (F3) [W1] '
A:AB58: (F3) [W1] '
A:AC58: (F3) @IF(Y58>2*@PI,Y58,Y58*180/@PI)
A:AD58: [W1] '
A:A59: {Page} 'C3
A:B59: [W1] '
A:C59: (F3) 231378.5468
A:D59: (F3) [W1] '

A:E59: (F3) 171131.7411
A:F59: (F4) [W1] '|
A:G59: (F3) +G57+I58
A:H59: (F3) [W1] '|
A:J59: (F3) [W1] '|
A:L59: (F3) [W1] '|
A:N59: (F3) [W1] '|
A:P59: (F3) [W1] '|
A:R59: (F3) [W1] '|
A:T59: (F3) [W1] '|
A:V59: (F3) [W1] '|
A:X59: (F3) [W1] '|
A:Z59: (F3) [W1] '|
A:AB59: (F3) [W1] '|
A:AD59: [W1] '|
A:B60: [W1] '|
A:D60: (F3) [W1] '|
A:F60: (F4) [W1] '|
A:H60: (F3) [W1] '|
A:I60: (F3) [W14] (((@COS((198*@PI/180)-(AC60*@PI/180)))*0.013976)*Q60
A:J60: (F3) [W1] '|
A:K60: (F3) +C61-C59
A:L60: (F3) [W1] '|
A:M60: (F3) +E61-E59
A:N60: (F3) [W1] '|
A:O60: (F3) +G61-G59
A:P60: (F3) [W1] '|
A:Q60: (F3) @SQRT((K60*K60)+(M60*M60))
A:R60: (F3) [W1] '|
A:S60: (F3) @SQRT((O60*O60)+(Q60*Q60))
A:T60: (F3) [W1] '|
A:U60: (F3) 100*(O60/Q60)
A:V60: (F3) [W1] '|
A:W60: (F3)
@IF(K60=0#OR#M60=0,@IF(M60=0,@IF(K60<0,30,10),@IF(M60<0,40,20)),@IF(K60>0,@I
F(M60>0,1,4),@IF(M60>0,2,3)))
A:X60: (F3) [W1] '|
A:Y60: (F3)
@IF(W60=10#OR#W60=20#OR#W60=30#OR#W60=40,@IF(W60=10#OR#W60=30,@IF(W6
0=10,0,180),@IF(W60=20,90,270)),@IF(W60=1#OR#W60=2,@IF(W60=1,@ABS(@ATAN(
M60/K60)),@ABS(@ATAN(K60/M60))+@PI/2),@IF(W60=3,@ATAN(M60/K60)+@PI,@AB
S(@ATAN(K60/M60))+3*@PI/2)))

A:Z60: (F3) [W1] '|
A:AB60: (F3) [W1] '|
A:AC60: (F3) @IF(Y60>2*@PI,Y60,Y60*180/@PI)
A:AD60: [W1] '|
A:A61: {Page} 'C4
A:B61: [W1] '|
A:C61: (F3) 231777.4034
A:D61: (F3) [W1] '|
A:E61: (F3) 171152.6444
A:F61: (F4) [W1] '|
A:G61: (F3) +G59+I60
A:H61: (F3) [W1] '|
A:J61: (F3) [W1] '|
A:L61: (F3) [W1] '|
A:N61: (F3) [W1] '|
A:P61: (F3) [W1] '|
A:R61: (F3) [W1] '|
A:T61: (F3) [W1] '|
A:V61: (F3) [W1] '|
A:X61: (F3) [W1] '|
A:Z61: (F3) [W1] '|
A:AB61: (F3) [W1] '|
A:AD61: [W1] '|
A:B62: [W1] '|
A:D62: (F3) [W1] '|
A:F62: (F4) [W1] '|
A:H62: (F3) [W1] '|
A:I62: (F3) [W14] (((@COS((198*@PI/180)-(AC62*@PI/180)))*0.013976)*Q62
A:J62: (F3) [W1] '|
A:K62: (F3) +C63-C61
A:L62: (F3) [W1] '|
A:M62: (F3) +E63-E61
A:N62: (F3) [W1] '|
A:O62: (F3) +G63-G61
A:P62: (F3) [W1] '|
A:Q62: (F3) @SQRT((K62*K62)+(M62*M62))
A:R62: (F3) [W1] '|
A:S62: (F3) @SQRT((O62*O62)+(Q62*Q62))
A:T62: (F3) [W1] '|
A:U62: (F3) 100*(O62/Q62)
A:V62: (F3) [W1] '|
A:W62: (F3)

@IF(K62=0#OR#M62=0,@IF(M62=0,@IF(K62<0,30,10),@IF(M62<0,40,20)),@IF(K62>0,@IF(M62>0,1,4),@IF(M62>0,2,3)))

A:X62: (F3) [W1] '|

A:Y62: (F3)

@IF(W62=10#OR#W62=20#OR#W62=30#OR#W62=40,@IF(W62=10#OR#W62=30,@IF(W62=10,0,180),@IF(W62=20,90,270)),@IF(W62=1#OR#W62=2,@IF(W62=1,@ABS(@ATAN(M62/K62)),@ABS(@ATAN(K62/M62))+@PI/2),@IF(W62=3,@ATAN(M62/K62)+@PI,@ABS(@ATAN(K62/M62))+3*@PI/2)))

A:Z62: (F3) [W1] '|

A:AB62: (F3) [W1] '|

A:AC62: (F3) @IF(Y62>2*@PI,Y62,Y62*180/@PI)

A:AD62: [W1] '|

A:A63: {Page} 'C5

A:B63: [W1] '|

A:C63: (F3) 231770.5344

A:D63: (F3) [W1] '|

A:E63: (F3) 171173.7844

A:F63: (F4) [W1] '|

A:G63: (F3) +G61+I62

A:H63: (F3) [W1] '|

A:J63: (F3) [W1] '|

A:L63: (F3) [W1] '|

A:N63: (F3) [W1] '|

A:P63: (F3) [W1] '|

A:R63: (F3) [W1] '|

A:T63: (F3) [W1] '|

A:V63: (F3) [W1] '|

A:X63: (F3) [W1] '|

A:Z63: (F3) [W1] '|

A:AB63: (F3) [W1] '|

A:AD63: [W1] '|

A:B64: [W1] '|

A:D64: (F3) [W1] '|

A:F64: (F4) [W1] '|

A:H64: (F3) [W1] '|

A:I64: (F3) [W14] (((@COS((198*@PI/180)-(AC64*@PI/180)))*0.013976)*Q64

A:J64: (F3) [W1] '|

A:K64: (F3) +C65-C63

A:L64: (F3) [W1] '|

A:M64: (F3) +E65-E63

A:N64: (F3) [W1] '|

A:O64: (F3) +G65-G63

A:P64: (F3) [W1] '|
A:Q64: (F3) @SQRT((K64*K64)+(M64*M64))
A:R64: (F3) [W1] '|
A:S64: (F3) @SQRT((O64*O64)+(Q64*Q64))
A:T64: (F3) [W1] '|
A:U64: (F3) 100*(O64/Q64)
A:V64: (F3) [W1] '|
A:W64: (F3)
@IF(K64=0#OR#M64=0,@IF(M64=0,@IF(K64<0,30,10),@IF(M64<0,40,20)),@IF(K64>0,@I
F(M64>0,1,4),@IF(M64>0,2,3)))
A:X64: (F3) [W1] '|
A:Y64: (F3)
@IF(W64=10#OR#W64=20#OR#W64=30#OR#W64=40,@IF(W64=10#OR#W64=30,@IF(W6
4=10,0,180),@IF(W64=20,90,270)),@IF(W64=1#OR#W64=2,@IF(W64=1,@ABS(@ATAN(
M64/K64)),@ABS(@ATAN(K64/M64))+@PI/2),@IF(W64=3,@ATAN(M64/K64)+@PI,@AB
S(@ATAN(K64/M64))+3*@PI/2)))
A:Z64: (F3) [W1] '|
A:AB64: (F3) [W1] '|
A:AC64: (F3) @IF(Y64>2*@PI,Y64,Y64*180/@PI)
A:AD64: [W1] '|
A:A65: {Page} 'C6
A:B65: [W1] '|
A:C65: (F3) 231746.7579
A:D65: (F3) [W1] '|
A:E65: (F3) 171166.0592
A:F65: (F4) [W1] '|
A:G65: (F3) +G63+I64
A:H65: (F3) [W1] '|
A:J65: (F3) [W1] '|
A:L65: (F3) [W1] '|
A:N65: (F3) [W1] '|
A:P65: (F3) [W1] '|
A:R65: (F3) [W1] '|
A:T65: (F3) [W1] '|
A:V65: (F3) [W1] '|
A:X65: (F3) [W1] '|
A:Z65: (F3) [W1] '|
A:AB65: (F3) [W1] '|
A:AD65: [W1] '|
A:B66: [W1] '|
A:D66: (F3) [W1] '|
A:F66: (F4) [W1] '|

A:H66: (F3) [W1] '|
A:I66: (F3) [W14] (((@COS((198*@PI/180)-(AC66*@PI/180)))*0.013976)*Q66
A:J66: (F3) [W1] '|
A:K66: (F3) +C67-C65
A:L66: (F3) [W1] '|
A:M66: (F3) +E67-E65
A:N66: (F3) [W1] '|
A:O66: (F3) +G67-G65
A:P66: (F3) [W1] '|
A:Q66: (F3) @SQRT((K66*K66)+(M66*M66))
A:R66: (F3) [W1] '|
A:S66: (F3) @SQRT((O66*O66)+(Q66*Q66))
A:T66: (F3) [W1] '|
A:U66: (F3) 100*(O66/Q66)
A:V66: (F3) [W1] '|
A:W66: (F3)
@IF(K66=0#OR#M66=0,@IF(M66=0,@IF(K66<0,30,10),@IF(M66<0,40,20)),@IF(K66>0,@I
F(M66>0,1,4),@IF(M66>0,2,3)))
A:X66: (F3) [W1] '|
A:Y66: (F3)
@IF(W66=10#OR#W66=20#OR#W66=30#OR#W66=40,@IF(W66=10#OR#W66=30,@IF(W6
6=10,0,180),@IF(W66=20,90,270)),@IF(W66=1#OR#W66=2,@IF(W66=1,@ABS(@ATAN(
M66/K66)),@ABS(@ATAN(K66/M66))+@PI/2),@IF(W66=3,@ATAN(M66/K66)+@PI,@AB
S(@ATAN(K66/M66))+3*@PI/2)))
A:Z66: (F3) [W1] '|
A:AB66: (F3) [W1] '|
A:AC66: (F3) @IF(Y66>2*@PI,Y66,Y66*180/@PI)
A:AD66: [W1] '|
A:A67: {Page} 'C7
A:B67: [W1] '|
A:C67: (F3) 231745.4489
A:D67: (F3) [W1] '|
A:E67: (F3) 171191.0249
A:F67: (F4) [W1] '|
A:G67: (F3) +G65+I66
A:H67: (F3) [W1] '|
A:J67: (F3) [W1] '|
A:L67: (F3) [W1] '|
A:N67: (F3) [W1] '|
A:P67: (F3) [W1] '|
A:R67: (F3) [W1] '|
A:T67: (F3) [W1] '|

A:V67: (F3) [W1] '
A:X67: (F3) [W1] '
A:Z67: (F3) [W1] '
A:AB67: (F3) [W1] '
A:AD67: [W1] '
A:B68: [W1] '
A:D68: (F3) [W1] '
A:F68: (F4) [W1] '
A:H68: (F3) [W1] '
A:I68: (F3) [W14] (((@COS((198*@PI/180)-(AC68*@PI/180)))*0.013976)*Q68
A:J68: (F3) [W1] '
A:K68: (F3) +C69-C67
A:L68: (F3) [W1] '
A:M68: (F3) +E69-E67
A:N68: (F3) [W1] '
A:O68: (F3) +G69-G67
A:P68: (F3) [W1] '
A:Q68: (F3) @SQRT((K68*K68)+(M68*M68))
A:R68: (F3) [W1] '
A:S68: (F3) @SQRT((O68*O68)+(Q68*Q68))
A:T68: (F3) [W1] '
A:U68: (F3) 100*(O68/Q68)
A:V68: (F3) [W1] '
A:W68: (F3)
@IF(K68=0#OR#M68=0,@IF(M68=0,@IF(K68<0,30,10),@IF(M68<0,40,20)),@IF(K68>0,@I
F(M68>0,1,4),@IF(M68>0,2,3)))
A:X68: (F3) [W1] '
A:Y68: (F3)
@IF(W68=10#OR#W68=20#OR#W68=30#OR#W68=40,@IF(W68=10#OR#W68=30,@IF(W6
8=10,0,180),@IF(W68=20,90,270)),@IF(W68=1#OR#W68=2,@IF(W68=1,@ABS(@ATAN(
M68/K68)),@ABS(@ATAN(K68/M68))+@PI/2),@IF(W68=3,@ATAN(M68/K68)+@PI,@AB
S(@ATAN(K68/M68))+3*@PI/2)))
A:Z68: (F3) [W1] '
A:AB68: (F3) [W1] '
A:AC68: (F3) @IF(Y68>2*@PI,Y68,Y68*180/@PI)
A:AD68: [W1] '
A:A69: {Page} ' C8 (CLOSE)
A:B69: [W1] '
A:C69: (F3) 234087.7421
A:D69: (F3) [W1] '
A:E69: (F3) 171313.7778
A:F69: (F4) [W1] '

A:G69: (F3) +G67+I68
A:H69: (F3) [W1] "
A:J69: (F3) [W1] "
A:L69: (F3) [W1] "
A:N69: (F3) [W1] "
A:P69: (F3) [W1] "
A:R69: (F3) [W1] "
A:T69: (F3) [W1] "
A:V69: (F3) [W1] "
A:X69: (F3) [W1] "
A:Z69: (F3) [W1] "
A:AB69: (F3) [W1] "
A:AD69: [W1] "

Attachment V

Cell Contents of Spreadsheet
used to
Generate Table 7-5

(Also includes a copy of the Table with Rows/Columns labeled)

A:A1: {Page 1/1} 'LOBLKVRT.WK1
A:E1: {Page Arial MT14} 'TABLE 7-5 -
A:G1: {Page Arial MT14} 'LOWER BLOCK VERTICAL TRAVERSE
A:A5: {Page} 'COORDINATE CHECKER WORKSHEET
A:G5: 'CALCULATES DISTANCE, AZIMUTH, & SLOPE (GRADE) BETWEEN
GIVEN SETS OF COORDINATES

A:A6: {Page} _
A:C6: _
A:D6: [W1] '
A:E6: _
A:F6: [W1] _
A:K6: '
A:L6: [W1] '
A:M6: '
A:N6: [W1] '
A:O6: '
A:P6: [W1] _
A:Q6: _
A:R6: [W1] _
A:S6: _
A:T6: [W1] _
A:U6: _
A:V6: [W1] _
A:W6: '
A:X6: [W1] '
A:AB6: [W1] '
A:AC6: _
A:A7: {Page} ^Column A
A:B7: [W1] \\
A:C7: ^Column C
A:D7: [W1] \\
A:E7: ^Column E
A:F7: [W1] \\
A:K7: '
A:L7: [W1] '
A:M7: '
A:N7: [W1] '
A:P7: [W1] \\
A:Q7: ^Column Q
A:R7: [W1] \\
A:S7: ^Column S
A:T7: [W1] \

A:U7: ^Column U
A:V7: [W1] \\
A:AB7: [W1] \\
A:AC7: ^Column AC
A:AD7: [W1] \\
A:A8: {Page} 'Enter Pt. #
A:B8: [W1] \\
A:C8: ^Enter
A:D8: [W1] \\
A:E8: ^Enter
A:F8: [W1] \\
A:K8: '
A:L8: [W1] '
A:N8: [W1] '
A:P8: [W1] \\
A:Q8: ^Read
A:R8: [W1] \\
A:S8: ^Read
A:T8: [W1] \\
A:U8: ^Read
A:V8: [W1] \\
A:W8: "PI/2=
A:Y8: @ROUND(@PI/2,6)
A:AB8: [W1] \\
A:AC8: ^Read
A:AD8: [W1] \\
A:B9: [W1] \\
A:C9: ^Northing
A:D9: [W1] \\
A:E9: ^Easting
A:F9: [W1] \\
A:L9: [W1] '
A:N9: [W1] '
A:P9: [W1] \\
A:Q9: ^Horiz. Dist.
A:R9: [W1] \\
A:S9: ^Slope Dist.
A:T9: [W1] \\
A:U9: ^Slope (%)
A:V9: [W1] \\
A:W9: "3PI/2=
A:Y9: @ROUND(3*@PI/2,6)

A:AB9: [W1] \\
A:AC9: 'Map Azimuth
A:AD9: [W1] \\
A:A10: {Page} _
A:B10: [W1] \\
A:C10: _
A:D10: [W1] \\
A:E10: _
A:F10: [W1] \\
A:K10: '
A:L10: [W1] '
A:M10: '
A:N10: [W1] '
A:O10: '
A:P10: [W1] \\
A:Q10: _
A:R10: [W1] \\
A:S10: _
A:T10: [W1] \\
A:U10: _
A:V10: [W1] \\
A:W10: '
A:X10: [W1] '
A:Y10: '
A:Z10: [W1] '
A:AA10: '
A:AB10: [W1] \\
A:AC10: ^ (Dec. Deg.)
A:AD10: [W1] \\
A:AB11: [W1] \\
A:AC11: _
A:AD11: [W1] \\
A:C12: "INPUTS
A:AD12: [W1] '
A:A13: {Page} \=
A:B13: [W1] '=
A:C13: \=
A:D13: [W1] '=
A:E13: \=
A:F13: [W1] '=
A:G13: \=
A:H13: [W1] '=

A:I13: [W14] \=
A:J13: [W1] \=
A:K13: \=
A:L13: [W1] \=
A:M13: \=
A:N13: [W1] \=
A:O13: \=
A:P13: [W1] \=
A:Q13: \=
A:R13: [W1] \=
A:S13: \=
A:T13: [W1] \=
A:U13: \=
A:V13: [W1] \=
A:W13: \=
A:Y13: ^MAP AZIMUTH
A:AA13: \=
A:AC13: ^MAP AZIMUTH
A:AD13: [W1] '
A:A14: {Page} ^POINT
A:C14: ^NORTH
A:E14: ^EAST
A:G14: ^ELEVATION
A:H14: (F4) [W1] '|
A:I14: [W14] ^dELEV
A:J14: [W1] '|
A:K14: ^dN
A:M14: ^dE
A:O14: ^dELEV
A:Q14: ^HORIZ. DIST.
A:S14: ^SLOPE DIST.
A:U14: ^SLOPE (%)
A:W14: ^QUADRANT
A:Y14: ^(^RADS)
A:AC14: ^(^DEC. DEG.)
A:A15: {Page} \=
A:B15: [W1] '=
A:C15: \=
A:D15: [W1] '=
A:E15: \=
A:F15: [W1] '=
A:G15: \=

A:H15: [W1] '='
A:I15: [W14] \=
A:J15: [W1] '='
A:K15: \=
A:L15: [W1] '='
A:M15: \=
A:N15: [W1] '='
A:O15: \=
A:P15: [W1] '='
A:Q15: \=
A:R15: [W1] '='
A:S15: \=
A:T15: [W1] '='
A:U15: \=
A:V15: [W1] '='
A:W15: \=
A:X15: [W1] '='
A:Y15: \=
A:Z15: [W1] \=
A:AA15: \=
A:AB15: [W1] \=
A:AC15: \=
A:AD15: [W1] \=
A:B16: [W1] '|'
A:D16: (F4) [W1] '|'
A:F16: (F4) [W1] '|'
A:H16: (F4) [W1] '|'
A:J16: (F3) [W1] '|'
A:L16: (F3) [W1] '|'
A:N16: (F3) [W1] '|'
A:P16: (F3) [W1] '|'
A:R16: (F3) [W1] '|'
A:T16: (F3) [W1] '|'
A:V16: (F2) [W1] '|'
A:X16: (F2) [W1] '|'
A:Z16: (F4) [W1] '|'
A:AB16: (F4) [W1] '|'
A:AD16: (F2) [W1] '|'
A:A17: {Page} 'H1
A:B17: [W1] '|'
A:C17: (F3) 233702.005
A:D17: (F3) [W1] '|'

A:E17: (F3) 171563.934
A:F17: (F3) [W1] '|
A:G17: (F3) 998
A:H17: (F3) [W1] '|
A:J17: (F3) [W1] '|
A:L17: (F3) [W1] '|
A:N17: (F3) [W1] '|
A:P17: (F3) [W1] '|
A:R17: (F3) [W1] '|
A:T17: (F3) [W1] '|
A:V17: (F3) [W1] '|
A:X17: (F3) [W1] '|
A:Z17: (F3) [W1] '|
A:AB17: (F3) [W1] '|
A:AD17: (F3) [W1] '|
A:B18: [W1] '|
A:D18: (F3) [W1] '|
A:F18: (F3) [W1] '|
A:H18: (F3) [W1] '|
A:I18: (F3) [W14] (((@COS((198*@PI/180)-(AC18*@PI/180)))*0.013976)*Q18
A:J18: (F3) [W1] '|
A:K18: (F3) +C19-C17
A:L18: (F3) [W1] '|
A:M18: (F3) +E19-E17
A:N18: (F3) [W1] '|
A:O18: (F3) +G19-G17
A:P18: (F3) [W1] '|
A:Q18: (F3) @SQRT((K18*K18)+(M18*M18))
A:R18: (F3) [W1] '|
A:S18: (F3) @SQRT((O18*O18)+(Q18*Q18))
A:T18: (F3) [W1] '|
A:U18: (F3) 100*(O18/Q18)
A:V18: (F3) [W1] '|
A:W18: (F0)
@IF(K18=0#OR#M18=0,@IF(M18=0,@IF(K18<0,30,10),@IF(M18<0,40,20)),@IF(K18>0,@I
F(M18>0,1,4),@IF(M18>0,2,3)))
A:X18: (F3) [W1] '|
A:Y18: (F3)
@IF(W18=10#OR#W18=20#OR#W18=30#OR#W18=40,@IF(W18=10#OR#W18=30,@IF(W1
8=10,0,180),@IF(W18=20,90,270)),@IF(W18=1#OR#W18=2,@IF(W18=1,@ABS(@ATAN(
M18/K18)),@ABS(@ATAN(K18/M18))+@PI/2),@IF(W18=3,@ATAN(M18/K18)+@PI,@AB
S(@ATAN(K18/M18))+3*@PI/2)))

A:Z18: (F3) [W1] '|
A:AB18: (F3) [W1] '|
A:AC18: (F3) @IF(Y18>2*@PI,Y18,Y18*180/@PI)
A:AD18: (F3) [W1] '|
A:A19: {Page} 'D6
A:B19: [W1] '|
A:C19: (F3) 232492.391
A:D19: (F3) [W1] '|
A:E19: (F3) 171500.5402
A:F19: (F3) [W1] '|
A:G19: (F3) +G17+I18
A:H19: (F3) [W1] '|
A:J19: (F3) [W1] '|
A:L19: (F3) [W1] '|
A:N19: (F3) [W1] '|
A:P19: (F3) [W1] '|
A:R19: (F3) [W1] '|
A:T19: (F3) [W1] '|
A:V19: (F3) [W1] '|
A:X19: (F3) [W1] '|
A:Z19: (F3) [W1] '|
A:AB19: (F3) [W1] '|
A:AD19: (F3) [W1] '|
A:B20: [W1] '|
A:D20: (F3) [W1] '|
A:F20: (F3) [W1] '|
A:H20: (F3) [W1] '|
A:I20: (F3) [W14] (((@COS((198*@PI/180)-(AC20*@PI/180)))*0.013976)*Q20
A:J20: (F3) [W1] '|
A:K20: (F3) +C21-C19
A:L20: (F3) [W1] '|
A:M20: (F3) +E21-E19
A:N20: (F3) [W1] '|
A:O20: (F3) +G21-G19
A:P20: (F3) [W1] '|
A:Q20: (F3) @SQRT((K20*K20)+(M20*M20))
A:R20: (F3) [W1] '|
A:S20: (F3) @SQRT((O20*O20)+(Q20*Q20))
A:T20: (F3) [W1] '|
A:U20: (F3) 100*(O20/Q20)
A:V20: (F3) [W1] '|
A:W20: (F0)

@IF(K20=0#OR#M20=0,@IF(M20=0,@IF(K20<0,30,10),@IF(M20<0,40,20)),@IF(K20>0,@IF(M20>0,1,4),@IF(M20>0,2,3)))

A:X20: (F3) [W1] '|

A:Y20: (F3)

@IF(W20=10#OR#W20=20#OR#W20=30#OR#W20=40,@IF(W20=10#OR#W20=30,@IF(W20=10,0,180),@IF(W20=20,90,270)),@IF(W20=1#OR#W20=2,@IF(W20=1,@ABS(@ATAN(M20/K20)),@ABS(@ATAN(K20/M20))+@PI/2),@IF(W20=3,@ATAN(M20/K20)+@PI,@ABS(@ATAN(K20/M20))+3*@PI/2)))

A:Z20: (F3) [W1] '|

A:AB20: (F3) [W1] '|

A:AC20: (F3) @IF(Y20>2*@PI,Y20,Y20*180/@PI)

A:AD20: (F3) [W1] '|

A:A21: {Page} 'D7

A:B21: [W1] '|

A:C21: (F3) 232127.2551

A:D21: (F3) [W1] '|

A:E21: (F3) 171481.4041

A:F21: (F3) [W1] '|

A:G21: (F3) +G19+I20

A:H21: (F3) [W1] '|

A:J21: (F3) [W1] '|

A:L21: (F3) [W1] '|

A:N21: (F3) [W1] '|

A:P21: (F3) [W1] '|

A:R21: (F3) [W1] '|

A:T21: (F3) [W1] '|

A:V21: (F3) [W1] '|

A:X21: (F3) [W1] '|

A:Z21: (F3) [W1] '|

A:AB21: (F3) [W1] '|

A:AD21: (F3) [W1] '|

A:B22: [W1] '|

A:D22: (F3) [W1] '|

A:F22: (F3) [W1] '|

A:H22: (F3) [W1] '|

A:I22: (F3) [W14] (((@COS((198*@PI/180)-(AC22*@PI/180)))*0.013976)*Q22

A:J22: (F3) [W1] '|

A:K22: (F3) +C23-C21

A:L22: (F3) [W1] '|

A:M22: (F3) +E23-E21

A:N22: (F3) [W1] '|

A:O22: (F3) +G23-G21

A:P22: (F3) [W1] '|
A:Q22: (F3) @SQRT((K22*K22)+(M22*M22))
A:R22: (F3) [W1] '|
A:S22: (F3) @SQRT((O22*O22)+(Q22*Q22))
A:T22: (F3) [W1] '|
A:U22: (F3) 100*(O22/Q22)
A:V22: (F3) [W1] '|
A:W22: (F0)
@IF(K22=0#OR#M22=0,@IF(M22=0,@IF(K22<0,30,10),@IF(M22<0,40,20)),@IF(K22>0,@I
F(M22>0,1,4),@IF(M22>0,2,3)))
A:X22: (F3) [W1] '|
A:Y22: (F3)
@IF(W22=10#OR#W22=20#OR#W22=30#OR#W22=40,@IF(W22=10#OR#W22=30,@IF(W2
2=10,0,180),@IF(W22=20,90,270)),@IF(W22=1#OR#W22=2,@IF(W22=1,@ABS(@ATAN(
M22/K22)),@ABS(@ATAN(K22/M22))+@PI/2),@IF(W22=3,@ATAN(M22/K22)+@PI,@AB
S(@ATAN(K22/M22))+3*@PI/2)))
A:Z22: (F3) [W1] '|
A:AB22: (F3) [W1] '|
A:AC22: (F3) @IF(Y22>2*@PI,Y22,Y22*180/@PI)
A:AD22: (F3) [W1] '|
A:A23: {Page} 'D8
A:B23: [W1] '|
A:C23: (F3) 232119.4048
A:D23: (F3) [W1] '|
A:E23: (F3) 171631.1985
A:F23: (F3) [W1] '|
A:G23: (F3) +G21+I22
A:H23: (F3) [W1] '|
A:J23: (F3) [W1] '|
A:L23: (F3) [W1] '|
A:N23: (F3) [W1] '|
A:P23: (F3) [W1] '|
A:R23: (F3) [W1] '|
A:T23: (F3) [W1] '|
A:V23: (F3) [W1] '|
A:X23: (F3) [W1] '|
A:Z23: (F3) [W1] '|
A:AB23: (F3) [W1] '|
A:AD23: (F3) [W1] '|
A:B24: [W1] '|
A:D24: (F3) [W1] '|
A:F24: (F3) [W1] '|

A:H24: (F3) [W1] '|
A:I24: (F3) [W14] (((@COS((198*@PI/180)-(AC24*@PI/180)))*0.013976)*Q24
A:J24: (F3) [W1] '|
A:K24: (F3) +C25-C23
A:L24: (F3) [W1] '|
A:M24: (F3) +E25-E23
A:N24: (F3) [W1] '|
A:O24: (F3) +G25-G23
A:P24: (F3) [W1] '|
A:Q24: (F3) @SQRT((K24*K24)+(M24*M24))
A:R24: (F3) [W1] '|
A:S24: (F3) @SQRT((O24*O24)+(Q24*Q24))
A:T24: (F3) [W1] '|
A:U24: (F3) 100*(O24/Q24)
A:V24: (F3) [W1] '|
A:W24: (F0)
@IF(K24=0#OR#M24=0,@IF(M24=0,@IF(K24<0,30,10),@IF(M24<0,40,20)),@IF(K24>0,@I
F(M24>0,1,4),@IF(M24>0,2,3)))
A:X24: (F3) [W1] '|
A:Y24: (F3)
@IF(W24=10#OR#W24=20#OR#W24=30#OR#W24=40,@IF(W24=10#OR#W24=30,@IF(W2
4=10,0,180),@IF(W24=20,90,270)),@IF(W24=1#OR#W24=2,@IF(W24=1,@ABS(@ATAN(
M24/K24)),@ABS(@ATAN(K24/M24))+@PI/2),@IF(W24=3,@ATAN(M24/K24)+@PI,@AB
S(@ATAN(K24/M24))+3*@PI/2)))
A:Z24: (F3) [W1] '|
A:AB24: (F3) [W1] '|
A:AC24: (F3) @IF(Y24>2*@PI,Y24,Y24*180/@PI)
A:AD24: (F3) [W1] '|
A:A25: {Page} 'D9
A:B25: [W1] '|
A:C25: (F3) 232049.2648
A:D25: (F3) [W1] '|
A:E25: (F3) 171763.7896
A:F25: (F3) [W1] '|
A:G25: (F3) +G23+I24
A:H25: (F3) [W1] '|
A:J25: (F3) [W1] '|
A:L25: (F3) [W1] '|
A:N25: (F3) [W1] '|
A:P25: (F3) [W1] '|
A:R25: (F3) [W1] '|
A:T25: (F3) [W1] '|

A:V25: (F3) [W1] '|
A:X25: (F3) [W1] '|
A:Z25: (F3) [W1] '|
A:AB25: (F3) [W1] '|
A:AD25: (F3) [W1] '|
A:B26: [W1] '|
A:D26: (F3) [W1] '|
A:F26: (F3) [W1] '|
A:H26: (F3) [W1] '|
A:I26: (F3) [W14] (((@COS((198*@PI/180)-(AC26*@PI/180)))*0.013976)*Q26
A:J26: (F3) [W1] '|
A:K26: (F3) +C27-C25
A:L26: (F3) [W1] '|
A:M26: (F3) +E27-E25
A:N26: (F3) [W1] '|
A:O26: (F3) +G27-G25
A:P26: (F3) [W1] '|
A:Q26: (F3) @SQRT((K26*K26)+(M26*M26))
A:R26: (F3) [W1] '|
A:S26: (F3) @SQRT((O26*O26)+(Q26*Q26))
A:T26: (F3) [W1] '|
A:U26: (F3) 100*(O26/Q26)
A:V26: (F3) [W1] '|
A:W26: (F0)
@IF(K26=0#OR#M26=0,@IF(M26=0,@IF(K26<0,30,10),@IF(M26<0,40,20)),@IF(K26>0,@I
F(M26>0,1,4),@IF(M26>0,2,3)))
A:X26: (F3) [W1] '|
A:Y26: (F3)
@IF(W26=10#OR#W26=20#OR#W26=30#OR#W26=40,@IF(W26=10#OR#W26=30,@IF(W2
6=10,0,180),@IF(W26=20,90,270)),@IF(W26=1#OR#W26=2,@IF(W26=1,@ABS(@ATAN(
M26/K26)),@ABS(@ATAN(K26/M26))+@PI/2),@IF(W26=3,@ATAN(M26/K26)+@PI,@AB
S(@ATAN(K26/M26))+3*@PI/2)))
A:Z26: (F3) [W1] '|
A:AB26: (F3) [W1] '|
A:AC26: (F3) @IF(Y26>2*@PI,Y26,Y26*180/@PI)
A:AD26: (F3) [W1] '|
A:A27: {Page} 'E0
A:B27: [W1] '|
A:C27: (F3) 233030.7985
A:D27: (F3) [W1] '|
A:E27: (F3) 172283.0089
A:F27: (F3) [W1] '|

A:G27: (F3) +G25+I26
A:H27: (F3) [W1] '
A:J27: (F3) [W1] '
A:L27: (F3) [W1] '
A:N27: (F3) [W1] '
A:P27: (F3) [W1] '
A:R27: (F3) [W1] '
A:T27: (F3) [W1] '
A:V27: (F3) [W1] '
A:X27: (F3) [W1] '
A:Z27: (F3) [W1] '
A:AB27: (F3) [W1] '
A:AD27: (F3) [W1] '
A:B28: [W1] '
A:D28: (F3) [W1] '
A:F28: (F3) [W1] '
A:H28: (F3) [W1] '
A:I28: (F3) [W14] (((@COS((198*@PI/180)-(AC28*@PI/180)))*0.013976)*Q28
A:J28: (F3) [W1] '
A:K28: (F3) +C29-C27
A:L28: (F3) [W1] '
A:M28: (F3) +E29-E27
A:N28: (F3) [W1] '
A:O28: (F3) +G29-G27
A:P28: (F3) [W1] '
A:Q28: (F3) @SQRT((K28*K28)+(M28*M28))
A:R28: (F3) [W1] '
A:S28: (F3) @SQRT((O28*O28)+(Q28*Q28))
A:T28: (F3) [W1] '
A:U28: (F3) 100*(O28/Q28)
A:V28: (F3) [W1] '
A:W28: (F0)
@IF(K28=0#OR#M28=0,@IF(M28=0,@IF(K28<0,30,10),@IF(M28<0,40,20)),@IF(K28>0,@I
F(M28>0,1,4),@IF(M28>0,2,3)))
A:X28: (F3) [W1] '
A:Y28: (F3)
@IF(W28=10#OR#W28=20#OR#W28=30#OR#W28=40,@IF(W28=10#OR#W28=30,@IF(W2
8=10,0,180),@IF(W28=20,90,270)),@IF(W28=1#OR#W28=2,@IF(W28=1,@ABS(@ATAN(
M28/K28)),@ABS(@ATAN(K28/M28))+@PI/2),@IF(W28=3,@ATAN(M28/K28)+@PI,@AB
S(@ATAN(K28/M28))+3*@PI/2)))
A:Z28: (F3) [W1] '
A:AB28: (F3) [W1] '

A:AC28: (F3) @IF(Y28>2*@PI,Y28,Y28*180/@PI)
A:AD28: (F3) [W1] '|
A:A29: {Page} 'E1
A:B29: [W1] '|
A:C29: (F3) 233173.4144
A:D29: (F3) [W1] '|
A:E29: (F3) 172013.406
A:F29: (F3) [W1] '|
A:G29: (F3) +G27+I28
A:H29: (F3) [W1] '|
A:J29: (F3) [W1] '|
A:L29: (F3) [W1] '|
A:N29: (F3) [W1] '|
A:P29: (F3) [W1] '|
A:R29: (F3) [W1] '|
A:T29: (F3) [W1] '|
A:V29: (F3) [W1] '|
A:X29: (F3) [W1] '|
A:Z29: (F3) [W1] '|
A:AB29: (F3) [W1] '|
A:AD29: (F3) [W1] '|
A:B30: [W1] '|
A:D30: (F3) [W1] '|
A:F30: (F3) [W1] '|
A:H30: (F3) [W1] '|
A:I30: (F3) [W14] (((@COS((198*@PI/180)-(AC30*@PI/180)))*0.013976)*Q30
A:J30: (F3) [W1] '|
A:K30: (F3) +C31-C29
A:L30: (F3) [W1] '|
A:M30: (F3) +E31-E29
A:N30: (F3) [W1] '|
A:O30: (F3) +G31-G29
A:P30: (F3) [W1] '|
A:Q30: (F3) @SQRT((K30*K30)+(M30*M30))
A:R30: (F3) [W1] '|
A:S30: (F3) @SQRT((O30*O30)+(Q30*Q30))
A:T30: (F3) [W1] '|
A:U30: (F3) 100*(O30/Q30)
A:V30: (F3) [W1] '|
A:W30: (F0)
@IF(K30=0#OR#M30=0,@IF(M30=0,@IF(K30<0,30,10),@IF(M30<0,40,20)),@IF(K30>0,@I
F(M30>0,1,4),@IF(M30>0,2,3)))

A:X30: (F3) [W1] '|

A:Y30: (F3)

@IF(W30=10#OR#W30=20#OR#W30=30#OR#W30=40,@IF(W30=10#OR#W30=30,@IF(W30=10,0,180),@IF(W30=20,90,270)),@IF(W30=1#OR#W30=2,@IF(W30=1,@ABS(@ATAN(M30/K30)),@ABS(@ATAN(K30/M30))+@PI/2),@IF(W30=3,@ATAN(M30/K30)+@PI,@ABS(@ATAN(K30/M30))+3*@PI/2)))

A:Z30: (F3) [W1] '|

A:AB30: (F3) [W1] '|

A:AC30: (F3) @IF(Y30>2*@PI,Y30,Y30*180/@PI)

A:AD30: (F3) [W1] '|

A:A31: {Page} 'E2

A:B31: [W1] '|

A:C31: (F3) 233349.0351

A:D31: (F3) [W1] '|

A:E31: (F3) 172262.7699

A:F31: (F3) [W1] '|

A:G31: (F3) +G29+I30

A:H31: (F3) [W1] '|

A:J31: (F3) [W1] '|

A:L31: (F3) [W1] '|

A:N31: (F3) [W1] '|

A:P31: (F3) [W1] '|

A:R31: (F3) [W1] '|

A:T31: (F3) [W1] '|

A:V31: (F3) [W1] '|

A:X31: (F3) [W1] '|

A:Z31: (F3) [W1] '|

A:AB31: (F3) [W1] '|

A:AD31: (F3) [W1] '|

A:B32: [W1] '|

A:D32: (F3) [W1] '|

A:F32: (F3) [W1] '|

A:H32: (F3) [W1] '|

A:I32: (F3) [W14] (((@COS((198*@PI/180)-(AC32*@PI/180)))*0.013976)*Q32

A:J32: (F3) [W1] '|

A:K32: (F3) +C33-C31

A:L32: (F3) [W1] '|

A:M32: (F3) +E33-E31

A:N32: (F3) [W1] '|

A:O32: (F3) +G33-G31

A:P32: (F3) [W1] '|

A:Q32: (F3) @SQRT((K32*K32)+(M32*M32))

A:R32: (F3) [W1] '|
A:S32: (F3) @SQRT((O32*O32)+(Q32*Q32))
A:T32: (F3) [W1] '|
A:U32: (F3) 100*(O32/Q32)
A:V32: (F3) [W1] '|
A:W32: (F0)
@IF(K32=0#OR#M32=0,@IF(M32=0,@IF(K32<0,30,10),@IF(M32<0,40,20)),@IF(K32>0,@I
F(M32>0,1,4),@IF(M32>0,2,3)))
A:X32: (F3) [W1] '|
A:Y32: (F3)
@IF(W32=10#OR#W32=20#OR#W32=30#OR#W32=40,@IF(W32=10#OR#W32=30,@IF(W3
2=10,0,180),@IF(W32=20,90,270)),@IF(W32=1#OR#W32=2,@IF(W32=1,@ABS(@ATAN(
M32/K32)),@ABS(@ATAN(K32/M32))+@PI/2),@IF(W32=3,@ATAN(M32/K32)+@PI,@AB
S(@ATAN(K32/M32))+3*@PI/2)))
A:Z32: (F3) [W1] '|
A:AB32: (F3) [W1] '|
A:AC32: (F3) @IF(Y32>2*@PI,Y32,Y32*180/@PI)
A:AD32: (F3) [W1] '|
A:A33: {Page} 'C9
A:B33: [W1] '|
A:C33: (F3) 234075.935
A:D33: (F3) [W1] '|
A:E33: (F3) 171750.8326
A:F33: (F3) [W1] '|
A:G33: (F3) +G31+I32
A:H33: (F3) [W1] '|
A:J33: (F3) [W1] '|
A:L33: (F3) [W1] '|
A:N33: (F3) [W1] '|
A:P33: (F3) [W1] '|
A:R33: (F3) [W1] '|
A:T33: (F3) [W1] '|
A:V33: (F3) [W1] '|
A:X33: (F3) [W1] '|
A:Z33: (F3) [W1] '|
A:AB33: (F3) [W1] '|
A:AD33: (F3) [W1] '|
A:B34: [W1] '|
A:D34: (F3) [W1] '|
A:F34: (F3) [W1] '|
A:H34: (F3) [W1] '|
A:I34: (F3) [W14] (((@COS((198*@PI/180)-(AC34*@PI/180)))*0.013976)*Q34

A:J34: (F3) [W1] '|
A:K34: (F3) +C35-C33
A:L34: (F3) [W1] '|
A:M34: (F3) +E35-E33
A:N34: (F3) [W1] '|
A:O34: (F3) +G35-G33
A:P34: (F3) [W1] '|
A:Q34: (F3) @SQRT((K34*K34)+(M34*M34))
A:R34: (F3) [W1] '|
A:S34: (F3) @SQRT((O34*O34)+(Q34*Q34))
A:T34: (F3) [W1] '|
A:U34: (F3) 100*(O34/Q34)
A:V34: (F3) [W1] '|
A:W34: (F0)
@IF(K34=0#OR#M34=0,@IF(M34=0,@IF(K34<0,30,10),@IF(M34<0,40,20)),@IF(K34>0,@IF(M34>0,1,4),@IF(M34>0,2,3)))
A:X34: (F3) [W1] '|
A:Y34: (F3)
@IF(W34=10#OR#W34=20#OR#W34=30#OR#W34=40,@IF(W34=10#OR#W34=30,@IF(W34=10,0,180),@IF(W34=20,90,270)),@IF(W34=1#OR#W34=2,@IF(W34=1,@ABS(@ATAN(M34/K34)),@ABS(@ATAN(K34/M34))+@PI/2),@IF(W34=3,@ATAN(M34/K34)+@PI,@ABS(@ATAN(K34/M34))+3*@PI/2)))
A:Z34: (F3) [W1] '|
A:AB34: (F3) [W1] '|
A:AC34: (F3) @IF(Y34>2*@PI,Y34,Y34*180/@PI)
A:AD34: (F3) [W1] '|
A:A35: {Page} 'D0
A:B35: [W1] '|
A:C35: (F3) 234009.662
A:D35: (F3) [W1] '|
A:E35: (F3) 171656.7317
A:F35: (F3) [W1] '|
A:G35: (F3) +G33+I34
A:H35: (F3) [W1] '|
A:J35: (F3) [W1] '|
A:L35: (F3) [W1] '|
A:N35: (F3) [W1] '|
A:P35: (F3) [W1] '|
A:R35: (F3) [W1] '|
A:T35: (F3) [W1] '|
A:V35: (F3) [W1] '|
A:X35: (F3) [W1] '|

A:Z35: (F3) [W1] '|
A:AB35: (F3) [W1] '|
A:AD35: (F3) [W1] '|
A:B36: [W1] '|
A:D36: (F3) [W1] '|
A:F36: (F3) [W1] '|
A:H36: (F3) [W1] '|
A:I36: (F3) [W14] (((@COS((198*@PI/180)-(AC36*@PI/180)))*0.013976)*Q36
A:J36: (F3) [W1] '|
A:K36: (F3) +C37-C35
A:L36: (F3) [W1] '|
A:M36: (F3) +E37-E35
A:N36: (F3) [W1] '|
A:O36: (F3) +G37-G35
A:P36: (F3) [W1] '|
A:Q36: (F3) @SQRT((K36*K36)+(M36*M36))
A:R36: (F3) [W1] '|
A:S36: (F3) @SQRT((O36*O36)+(Q36*Q36))
A:T36: (F3) [W1] '|
A:U36: (F3) 100*(O36/Q36)
A:V36: (F3) [W1] '|
A:W36: (F0)
@IF(K36=0#OR#M36=0,@IF(M36=0,@IF(K36<0,30,10),@IF(M36<0,40,20)),@IF(K36>0,@I
F(M36>0,1,4),@IF(M36>0,2,3)))
A:X36: (F3) [W1] '|
A:Y36: (F3)
@IF(W36=10#OR#W36=20#OR#W36=30#OR#W36=40,@IF(W36=10#OR#W36=30,@IF(W3
6=10,0,180),@IF(W36=20,90,270)),@IF(W36=1#OR#W36=2,@IF(W36=1,@ABS(@ATAN(
M36/K36)),@ABS(@ATAN(K36/M36))+@PI/2),@IF(W36=3,@ATAN(M36/K36)+@PI,@AB
S(@ATAN(K36/M36))+3*@PI/2)))
A:Z36: (F3) [W1] '|
A:AB36: (F3) [W1] '|
A:AC36: (F3) @IF(Y36>2*@PI,Y36,Y36*180/@PI)
A:AD36: (F3) [W1] '|
A:A37: {Page} 'D1
A:B37: [W1] '|
A:C37: (F3) 233760.2981
A:D37: (F3) [W1] '|
A:E37: (F3) 171832.3525
A:F37: (F3) [W1] '|
A:G37: (F3) +G35+I36
A:H37: (F3) [W1] '|

A:J37: (F3) [W1] '
A:L37: (F3) [W1] '
A:N37: (F3) [W1] '
A:P37: (F3) [W1] '
A:R37: (F3) [W1] '
A:T37: (F3) [W1] '
A:V37: (F3) [W1] '
A:X37: (F3) [W1] '
A:Z37: (F3) [W1] '
A:AB37: (F3) [W1] '
A:AD37: (F3) [W1] '
A:B38: [W1] '
A:D38: (F3) [W1] '
A:F38: (F3) [W1] '
A:H38: (F3) [W1] '
A:I38: (F3) [W14] (((@COS((198*@PI/180)-(AC38*@PI/180)))*0.013976)*Q38
A:J38: (F3) [W1] '
A:K38: (F3) +C39-C37
A:L38: (F3) [W1] '
A:M38: (F3) +E39-E37
A:N38: (F3) [W1] '
A:O38: (F3) +G39-G37
A:P38: (F3) [W1] '
A:Q38: (F3) @SQRT((K38*K38)+(M38*M38))
A:R38: (F3) [W1] '
A:S38: (F3) @SQRT((O38*O38)+(Q38*Q38))
A:T38: (F3) [W1] '
A:U38: (F3) 100*(O38/Q38)
A:V38: (F3) [W1] '
A:W38: (F0)
@IF(K38=0#OR#M38=0,@IF(M38=0,@IF(K38<0,30,10),@IF(M38<0,40,20)),@IF(K38>0,@I
F(M38>0,1,4),@IF(M38>0,2,3)))
A:X38: (F3) [W1] '
A:Y38: (F3)
@IF(W38=10#OR#W38=20#OR#W38=30#OR#W38=40,@IF(W38=10#OR#W38=30,@IF(W3
8=10,0,180),@IF(W38=20,90,270)),@IF(W38=1#OR#W38=2,@IF(W38=1,@ABS(@ATAN(
M38/K38)),@ABS(@ATAN(K38/M38))+@PI/2),@IF(W38=3,@ATAN(M38/K38)+@PI,@AB
S(@ATAN(K38/M38))+3*@PI/2)))
A:Z38: (F3) [W1] '
A:AB38: (F3) [W1] '
A:AC38: (F3) @IF(Y38>2*@PI,Y38,Y38*180/@PI)
A:AD38: (F3) [W1] '

A:A39: {Page} 'D2
A:B39: [W1] '|
A:C39: (F3) 233776.2607
A:D39: (F3) [W1] '|
A:E39: (F3) 171527.7705
A:F39: (F3) [W1] '|
A:G39: (F3) +G37+I38
A:H39: (F3) [W1] '|
A:J39: (F3) [W1] '|
A:L39: (F3) [W1] '|
A:N39: (F3) [W1] '|
A:P39: (F3) [W1] '|
A:R39: (F3) [W1] '|
A:T39: (F3) [W1] '|
A:V39: (F3) [W1] '|
A:X39: (F3) [W1] '|
A:Z39: (F3) [W1] '|
A:AB39: (F3) [W1] '|
A:AD39: (F3) [W1] '|
A:B40: [W1] '|
A:D40: (F3) [W1] '|
A:F40: (F3) [W1] '|
A:H40: (F3) [W1] '|
A:I40: (F3) [W14] (((@COS((198*@PI/180)-(AC40*@PI/180)))*0.013976)*Q40
A:J40: (F3) [W1] '|
A:K40: (F3) +C41-C39
A:L40: (F3) [W1] '|
A:M40: (F3) +E41-E39
A:N40: (F3) [W1] '|
A:O40: (F3) +G41-G39
A:P40: (F3) [W1] '|
A:Q40: (F3) @SQRT((K40*K40)+(M40*M40))
A:R40: (F3) [W1] '|
A:S40: (F3) @SQRT((O40*O40)+(Q40*Q40))
A:T40: (F3) [W1] '|
A:U40: (F3) 100*(O40/Q40)
A:V40: (F3) [W1] '|
A:W40: (F0)
@IF(K40=0#OR#M40=0,@IF(M40=0,@IF(K40<0,30,10),@IF(M40<0,40,20)),@IF(K40>0,@I
F(M40>0,1,4),@IF(M40>0,2,3)))
A:X40: (F3) [W1] '|
A:Y40: (F3)

@IF(W40=10#OR#W40=20#OR#W40=30#OR#W40=40,@IF(W40=10#OR#W40=30,@IF(W40=10,0,180),@IF(W40=20,90,270)),@IF(W40=1#OR#W40=2,@IF(W40=1,@ABS(@ATAN(M40/K40)),@ABS(@ATAN(K40/M40))+@PI/2),@IF(W40=3,@ATAN(M40/K40)+@PI,@ABS(@ATAN(K40/M40))+3*@PI/2)))

A:Z40: (F3) [W1] '|

A:AB40: (F3) [W1] '|

A:AC40: (F3) @IF(Y40>2*@PI,Y40,Y40*180/@PI)

A:AD40: (F3) [W1] '|

A:A41: {Page} 'H4

A:B41: [W1] '|

A:C41: (F3) 233733.9616

A:D41: (F3) [W1] '|

A:E41: (F3) 171525.5555

A:F41: (F3) [W1] '|

A:G41: (F3) +G39+I40

A:H41: (F3) [W1] '|

A:J41: (F3) [W1] '|

A:L41: (F3) [W1] '|

A:N41: (F3) [W1] '|

A:P41: (F3) [W1] '|

A:R41: (F3) [W1] '|

A:T41: (F3) [W1] '|

A:V41: (F3) [W1] '|

A:X41: (F3) [W1] '|

A:Z41: (F3) [W1] '|

A:AB41: (F3) [W1] '|

A:AD41: (F3) [W1] '|

A:B42: [W1] '|

A:D42: (F3) [W1] '|

A:F42: (F3) [W1] '|

A:H42: (F3) [W1] '|

A:I42: (F3) [W14] (((@COS((198*@PI/180)-(AC42*@PI/180)))*0.013976)*Q42

A:J42: (F3) [W1] '|

A:K42: (F3) +C43-C41

A:L42: (F3) [W1] '|

A:M42: (F3) +E43-E41

A:N42: (F3) [W1] '|

A:O42: (F3) +G43-G41

A:P42: (F3) [W1] '|

A:Q42: (F3) @SQRT((K42*K42)+(M42*M42))

A:R42: (F3) [W1] '|

A:S42: (F3) @SQRT((O42*O42)+(Q42*Q42))

A:T42: (F3) [W1] '|
A:U42: (F3) 100*(O42/Q42)
A:V42: (F3) [W1] '|
A:W42: (F0)
@IF(K42=0#OR#M42=0,@IF(M42=0,@IF(K42<0,30,10),@IF(M42<0,40,20)),@IF(K42>0,@I
F(M42>0,1,4),@IF(M42>0,2,3)))
A:X42: (F3) [W1] '|
A:Y42: (F3)
@IF(W42=10#OR#W42=20#OR#W42=30#OR#W42=40,@IF(W42=10#OR#W42=30,@IF(W4
2=10,0,180),@IF(W42=20,90,270)),@IF(W42=1#OR#W42=2,@IF(W42=1,@ABS(@ATAN(
M42/K42)),@ABS(@ATAN(K42/M42))+@PI/2),@IF(W42=3,@ATAN(M42/K42)+@PI,@AB
S(@ATAN(K42/M42))+3*@PI/2)))
A:Z42: (F3) [W1] '|
A:AB42: (F3) [W1] '|
A:AC42: (F3) @IF(Y42>2*@PI,Y42,Y42*180/@PI)
A:AD42: (F3) [W1] '|
A:A43: {Page} 'H3
A:B43: [W1] '|
A:C43: (F3) 233732.6526
A:D43: (F3) [W1] '|
A:E43: (F3) 171550.5212
A:F43: (F3) [W1] '|
A:G43: (F3) +G41+I42
A:H43: (F3) [W1] '|
A:J43: (F3) [W1] '|
A:L43: (F3) [W1] '|
A:N43: (F3) [W1] '|
A:P43: (F3) [W1] '|
A:R43: (F3) [W1] '|
A:T43: (F3) [W1] '|
A:V43: (F3) [W1] '|
A:X43: (F3) [W1] '|
A:Z43: (F3) [W1] '|
A:AB43: (F3) [W1] '|
A:AD43: (F3) [W1] '|
A:B44: [W1] '|
A:D44: (F3) [W1] '|
A:F44: (F3) [W1] '|
A:H44: (F3) [W1] '|
A:I44: (F3) [W14] (((@COS((198*@PI/180)-(AC44*@PI/180)))*0.013976)*Q44
A:J44: (F3) [W1] '|
A:K44: (F3) +C45-C43

A:L44: (F3) [W1] '|
A:M44: (F3) +E45-E43
A:N44: (F3) [W1] '|
A:O44: (F3) +G45-G43
A:P44: (F3) [W1] '|
A:Q44: (F3) @SQRT((K44*K44)+(M44*M44))
A:R44: (F3) [W1] '|
A:S44: (F3) @SQRT((O44*O44)+(Q44*Q44))
A:T44: (F3) [W1] '|
A:U44: (F3) 100*(O44/Q44)
A:V44: (F3) [W1] '|
A:W44: (F0)
@IF(K44=0#OR#M44=0,@IF(M44=0,@IF(K44<0,30,10),@IF(M44<0,40,20)),@IF(K44>0,@I
F(M44>0,1,4),@IF(M44>0,2,3)))
A:X44: (F3) [W1] '|
A:Y44: (F3)
@IF(W44=10#OR#W44=20#OR#W44=30#OR#W44=40,@IF(W44=10#OR#W44=30,@IF(W4
4=10,0,180),@IF(W44=20,90,270)),@IF(W44=1#OR#W44=2,@IF(W44=1,@ABS(@ATAN(
M44/K44)),@ABS(@ATAN(K44/M44))+@PI/2),@IF(W44=3,@ATAN(M44/K44)+@PI,@AB
S(@ATAN(K44/M44))+3*@PI/2)))
A:Z44: (F3) [W1] '|
A:AB44: (F3) [W1] '|
A:AC44: (F3) @IF(Y44>2*@PI,Y44,Y44*180/@PI)
A:AD44: (F3) [W1] '|
A:A45: {Page} 'H2
A:B45: [W1] '|
A:C45: (F3) 233708.8763
A:D45: (F3) [W1] '|
A:E45: (F3) 171542.7954
A:F45: (F3) [W1] '|
A:G45: (F3) +G43+I44
A:H45: (F3) [W1] '|
A:J45: (F3) [W1] '|
A:L45: (F3) [W1] '|
A:N45: (F3) [W1] '|
A:P45: (F3) [W1] '|
A:R45: (F3) [W1] '|
A:T45: (F3) [W1] '|
A:V45: (F3) [W1] '|
A:X45: (F3) [W1] '|
A:Z45: (F3) [W1] '|
A:AB45: (F3) [W1] '|

A:AD45: (F3) [W1] '|
A:B46: [W1] '|
A:D46: (F3) [W1] '|
A:F46: (F3) [W1] '|
A:H46: (F3) [W1] '|
A:I46: (F3) [W14] (((@COS((198*@PI/180)-(AC46*@PI/180)))*0.013976)*Q46
A:J46: (F3) [W1] '|
A:K46: (F3) +C47-C45
A:L46: (F3) [W1] '|
A:M46: (F3) +E47-E45
A:N46: (F3) [W1] '|
A:O46: (F3) +G47-G45
A:P46: (F3) [W1] '|
A:Q46: (F3) @SQRT((K46*K46)+(M46*M46))
A:R46: (F3) [W1] '|
A:S46: (F3) @SQRT((O46*O46)+(Q46*Q46))
A:T46: (F3) [W1] '|
A:U46: (F3) 100*(O46/Q46)
A:V46: (F3) [W1] '|
A:W46: (F0)
@IF(K46=0#OR#M46=0,@IF(M46=0,@IF(K46<0,30,10),@IF(M46<0,40,20)),@IF(K46>0,@I
F(M46>0,1,4),@IF(M46>0,2,3)))
A:X46: (F3) [W1] '|
A:Y46: (F3)
@IF(W46=10#OR#W46=20#OR#W46=30#OR#W46=40,@IF(W46=10#OR#W46=30,@IF(W4
6=10,0,180),@IF(W46=20,90,270)),@IF(W46=1#OR#W46=2,@IF(W46=1,@ABS(@ATAN(
M46/K46)),@ABS(@ATAN(K46/M46))+@PI/2),@IF(W46=3,@ATAN(M46/K46)+@PI,@AB
S(@ATAN(K46/M46))+3*@PI/2)))
A:Z46: (F3) [W1] '|
A:AB46: (F3) [W1] '|
A:AC46: (F3) @IF(Y46>2*@PI,Y46,Y46*180/@PI)
A:AD46: (F3) [W1] '|
A:A47: {Page} 'H1 (CLOSE)
A:B47: [W1] '|
A:C47: (F3) 233702.0073
A:D47: (F3) [W1] '|
A:E47: (F3) 171563.9354
A:F47: (F3) [W1] '|
A:G47: (F3) +G45+I46
A:H47: (F3) [W1] '|
A:J47: (F3) [W1] '|
A:L47: (F3) [W1] '|

A:N47: (F3) [W1] '|
A:P47: (F3) [W1] '|
A:R47: (F3) [W1] '|
A:T47: (F3) [W1] '|
A:V47: (F3) [W1] '|
A:X47: (F3) [W1] '|
A:Z47: (F3) [W1] '|
A:AB47: (F3) [W1] '|
A:AD47: (F3) [W1] '|