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Buckling Strength of Hot Rolled Hat Shaped Sections

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ABSTRACT

Hot rolled hat shaped sections are commonly used as chord members in open web steel joists. It is normally assumed that the ultimate strength of the compression chord is given by its flexural buckling strength. However, as the hat shaped sections have only one axis of symmetry, buckling can occur in either a flexural, or a lateral torsional mode. In this investigation, the flexural and lateral torsional buckling strengths of hot rolled hat shaped sections were investigated over a wide range of slenderness ratios.

Residual strain and yield stress distributions were determined for the member and a uniform axial strain applied. Section properties of the elastic core and the load corresponding to the applied strain level were evaluated. The differential equations expressing equilibrium of the member in the deformed shape were entered with this load and the appropriate section properties, and the critical lengths corresponding to flexural and lateral torsional buckling were computed. This procedure was repeated for different values of the applied strain until the complete column curve for the member had been determined.

The effects of different yield stress distributions on the buckling strength were examined. However, even with the most severe distribution, lateral-torsional buckling was not critical. A comparison was made between the critical buckling stresses and those permitted by the allowable stress sections of C.S.A. S16 1969. These provisions result in adequate factors of safety.

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CHAPTER I

INTRODUCTION

Open web steel joists are widely used as simply supported flexural members to support roofs and lightly loaded floors. A typical joist is shown in FIG. 1.1. The arrangement of the web members permits easy passage of heating ducts and other services through the joist.

Joists also offer savings in weight over comparable members having solid webs.

Various sections are used for the chord members of open web steel joists. These include circular bars, tees and double angles. However, perhaps the most popular chord member is the hat-shaped section. A typical hat-shaped section is shown in FIG. 1.2. In this figure the principal axes, designated x and y, are shown passing through the centroid, C. The section is symmetrical about the y axis and the shear centre, S, is located on the y axis, a distance y_0 below the centroid.

Hat shaped sections have normally been fabricated from light gauge steel strip by a cold forming process. (1) However, more recently, much heavier hat shaped sections have been produced by hot rolling.

The forces acting on a typical compression chord segment of length, L, are shown in FIG. 1.3. The chord is subjected to a transverse load, w, which may be concentrated or uniformly distributed, depending on how the floor or roof system bears on the chord. As the joist

is loaded, bending moments M_1 and M_2 are induced in the chord as well as shears, V_1 and V_2 , and axial compressive forces P_1 and P_2 . The web members develop primarily axial forces, F_1 , F_2 , F_3 and F_4 . The transverse load, bending moment, and accompanying shears are usually small and it is assumed that the primary force is the axial thrust induced by the truss action of the joist.

Due to the close spacing between web-chord connections, or panel points, the axial loads in adjacent chord segments will vary only slightly. Thus, when a critically loaded segment of the chord is on the verge of buckling between panel points, the adjacent chord segments are also near failure and can offer little restraint to the critical segment. Hence each chord segment may be assumed to be pin connected. The simplified chord segment model is shown in FIG. 1.3b.

The idealized chord segment is subjected to an axial thrust and if premature local buckling does not occur, the ultimate strength of the segment is conservatively predicted by the buckling strength. (2,3) The buckling strength can be shown schematically on a "column curve". FIGURE 1.4 is a typical column curve which relates the slenderness ratio, KL/r, to the average applied stress at the instant of buckling, σ . The buckling stress is non-dimensionalized as σ/σ_y , where σ_y is the yield stress of the material. The effective length is represented by KL and r denotes the radius of gyration of the cross section.

The dashed line in FIG. 1.4 represents the behavior of a member composed of an elastic material. The behaviour of very slender

steel columns is predicted by this curve. These slender columns buckle with the complete cross section subjected to strains within the elastic range. A column composed of an elastic perfectly plastic material deviates abruptly from the elastic curve when the applied axial stress equals the yield stress.

Structural steel members contain residual strains and, in addition, may have variations in yield stress over the cross section. These properties cause premature yielding in parts of the cross section at an average applied stress considerably below the yield stress. The local yielding causes the member behavior to deviate from that depicted by the elastic curve as buckling of the member occurs after portions of the cross section have yielded. This is termed inelastic buckling.

Monosymmetric sections can buckle in either a pure flexural mode or a lateral torsional mode. (4) The two possible positions are shown in FIG. 1.5. A flexural buckling motion is resisted by the bending strength of the member while lateral torsional buckling involves both the flexural and torsional resistances of the member.

In the absence of more complete information, hat shaped sections have been designed on the basis of their flexural buckling strengths. The purpose of this investigation is to compute the flexural and lateral-torsional buckling strengths for a variety of hot rolled shaped members commonly used in open web steel joists. The variations in material properties and residual strains will be examined and their effects incorporated into the analysis. For the purposes of this investigation, the model of the joist segment is considered to be that shown in FIG. 1.3b.

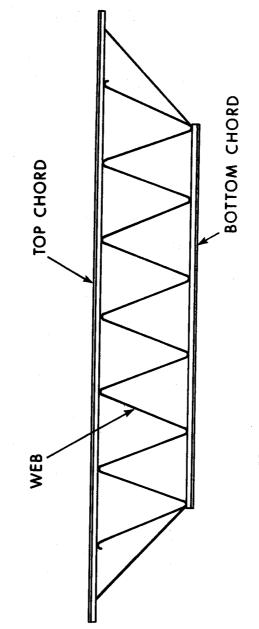


FIG. 1.1 TYPICAL OPEN WEB STEEL JOIST

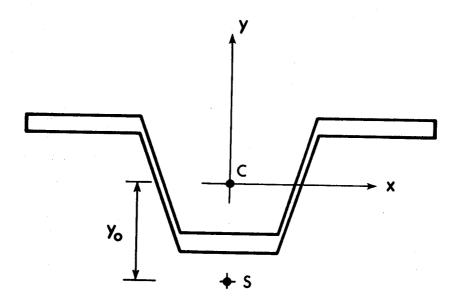


FIG. 1.2 TYPICAL HAT SHAPED SECTION

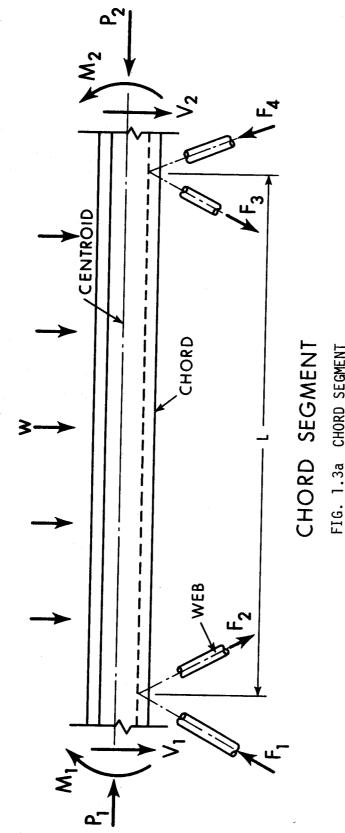
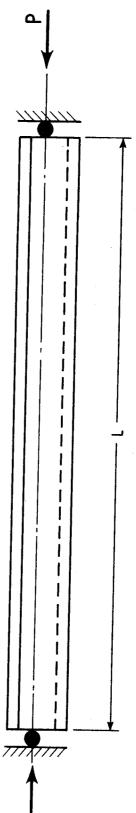


FIG. 1.3a CHORD SEGMENT



SIMPLIFIED CHORD SEGMENT FIG. 1.3b SIMPLIFIED CHORD SEGMENT

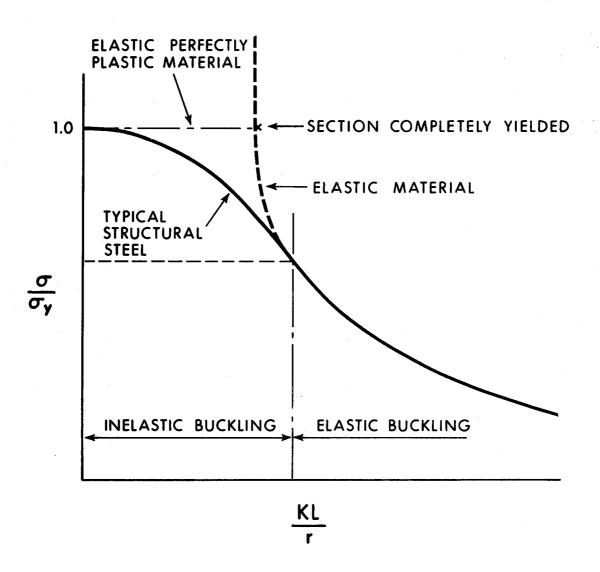


FIG. 1.4 COLUMN CURVE

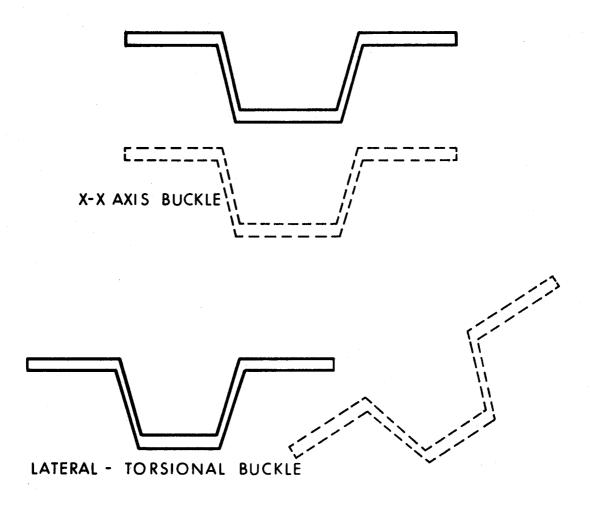


FIG. 1.5 BUCKLING MODES OF HAT SHAPED SECTIONS

CHAPTER II

PREVIOUS INVESTIGATIONS

The equations expressing the equilibrium of a monosymmetric column section in the deformed position are given $below^{(5)}$

$$EI_{x}v'''' + Pv'' = 0 2.1$$

$$EI_yu''' + Pu'' + Py_0\phi'' = 0$$
 2.2

$$EI_{\mathbf{W}}\phi^{\prime\prime\prime\prime} - (GK_{\mathbf{T}} + \overline{K})\phi^{\prime\prime} + Py_{\mathbf{Q}}u^{\prime\prime} = 0$$
 2.3

FIGURE 2.1 shows the column and the deformed positions of the cross section.

In the above equations, E represents the modulus of elasticity, G, the torsional modulus of the material and P, the axial load. I_x and I_y denote the moments of inertia about the x and y axes respectively. The distance between the centroid and the shear centre is represented by y_o. K_T denotes the St. Venant torsional stiffness while $I_w \text{ represents the warping moment of inertia of the cross section.}$ $\overline{K} = \int_A \sigma a^2 dA \text{ where } A \text{ is the area of the cross section, } \sigma \text{ the total stress on the fibre and a is the distance from the fibre to the shear centre.}$ The quantities, u, v and ϕ represent displacements of the shear centre as shown in FIG. 2.1, and the primed quantities denote differentiation with respect to z.

For simply supported flexural and torsional boundary conditions, the solutions to the equations take the form:

$$v = C_1 \sin \frac{\pi Z}{L}$$

$$u = C_2 \sin \frac{\pi Z}{L}$$
 2.5

$$\phi = C_3 \sin \frac{\pi Z}{L}$$
 2.6

Substituting for the deflections and their derivatives into equations 2.1, 2.2 and 2.3 results in three homogeneous linear equations in terms of the constants C_1 , C_2 and C_3 . The equation resulting from Eqn. 2.1 is independent of the other two, and its solution is the critical load for flexural buckling about the x-axis;

$$(P_x)_{cr} = \pi^2 E I_x / L^2$$
 2.7

The equations resulting from Eqns. 2.2 and 2.3 are coupled and combine to give a quadratic solution for the critical lateral torsional buckling load, $(P_{vT})_{cr}$.

$$(P_y - (P_{yT})_{cr})(P_z + \overline{K}) - (P_{yT})_{cr}^2 y_0^2 = 0$$
 2.8

where

$$P_y = \pi^2 E I_y / L^2$$
 2.9

and
$$P_z = \pi^2 E I_w / L^2 + G K_T$$
 2.10

If the section properties of the member are known, the solution of equations 2.7 and 2.8 is routine and the lower critical load represents the buckling strength. However, for members of practical proportions, portions of the cross-section yield before buckling occurs due to variations in yield stress and the presence of residual strains. This partial yielding means that the elastic buckling equations no longer apply directly, since the section properties of the elastic core change as shown in FIG. 2.2.

The buckling strength of the member is therefore profoundly affected by the residual strain distribution and by the variations in yield stress across the section.

For WF shapes the standard technique used to determine the residual strain distribution is to remove a selected length from the member. Longitudinal strips are then marked on this section, and the residual strain in each strip is determined by noting the change in length of the strip after it is cut from the section. The measurements are performed on both sides of each strip using a Whitemore Strain Gauge. This method could not be used for tubular members as only one side of the strips was accessible prior to cutting (6). An alternative method, devised for these

members, was to measure the change in length and the change in curvature on one side of the strip only, when the strips were cut free. During the course of this investigation, the subsequent bowing of the strips when cut free influenced the apparent residual strain $^{(6)}$. The bowing action was accounted for in the curvature measurements so the computed residual strains were correct.

The effect of bowing is shown in FIG. 2.3. Corrections for the bowing action should still be applied even where changes in length are measured on both sides of the strip. The change in mid-thickness length, due to residual strains, should be computed as the difference between the original lengths, OL_1 , OL_2 , and final arc lengths AL_1 , AL_2 . In the presence of significant bowing, the standard method computes the change in length inaccurately as the differences between the original lengths and the chord lengths CL_1 , CL_2 . These differences measured for both sides are averaged to obtain the change in mid-thickness length. This process only removes the error due to the offset, e, of the points of the Whitemore Strain Gauge from the centreline of the gauge holes.

The tangent modulus approach to buckling assumes yielded portions of the cross section to be ineffective in resisting the buckling motion. This approach also makes no allowance for the increase in strength caused by the elastic unloading of previously yielded fibres. The concept is conservative, and is recommended as a basis for design by the Column Research Council (7). It is implied in this concept that only the elastic core of the cross section is effective in resisting the buck-

ling motion.

Buckling strength of WF shapes, using the tangent modulus approach have been established for many different cross sections, materials, and residual strain distributions. $^{(8)}$ In assessing the torsional buckling strengths $^{(8)}$, it has been assumed that the residual stress distribution must satisfy the relationship

$$\int_{A} \sigma_{r} \cdot a^{2} dA = 0 \qquad 2.11$$

where $\sigma_{\mbox{\bf r}}$ denotes the residual stress on a fibre. Thus \overline{K} is given by:

$$\overline{K} = -P(x_0^2 + y_0^2 + \frac{I_x + I_y}{A})$$
 2.12

However, since both the shearing and normal residual stresses on any section can be in equilibrium without satisfying equation 2.11, the relationship is not a necessary one. (8)

Buckling strengths for cold rolled hat shaped sections, (13) have been established in the elastic range ignoring the effects of residual strains. (9) This study was extended to allow for eccentric loads and inelastic action but residual strain effects were again neglected. (10) Cold rolled sections have such a large variation in yield stress across the section that residual strain effects are masked. The magnitude of this variation can be seen in FIG. 2.4. This variation in yield stress was accounted for in an investigation into the flexural buckling strength

of cold rolled hat shaped sections. (1)

An indirect approach to the determination of the tangent modulus for hot shaped column sections has also been described in the literature. (11) The complete flexural buckling curve was determined by using the results of stub column tests to establish an effective bending stiffness.

The present investigation is aimed at evaluating the flexural and lateral-torsional buckling strengths of hot rolled hat shaped column sections. The effects of the residual strains and yield stress variation will be accounted for and the investigation will cover the complete practical range of column slenderness.

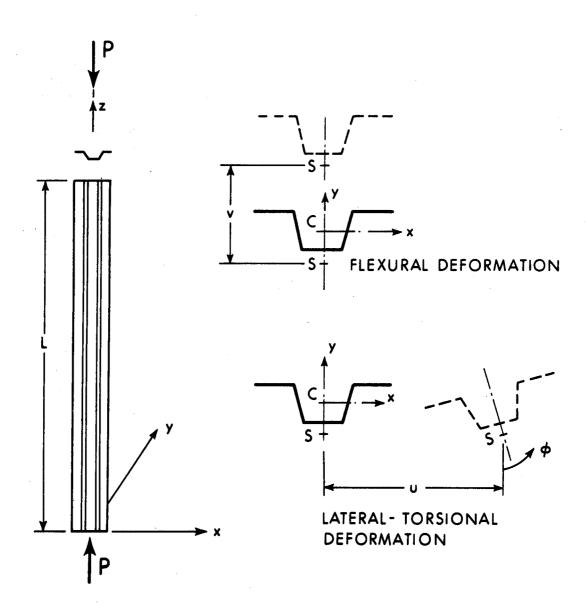


FIG. 2.1 NOMENCLATURE USED IN THE DIFFERENTIAL EQUATIONS OF BUCKLING

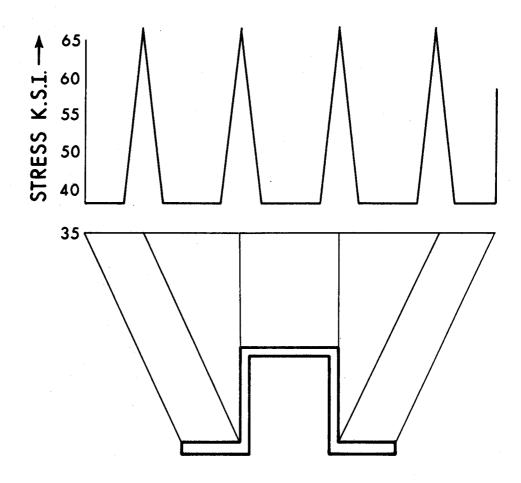


FIG. 2.4 VARIATIONS IN YIELD STRESS - COLD FORMED HAT SHAPED SECTIONS

CHAPTER III

MATERIAL AND SECTION PROPERTIES

The steel used in the chords is produced especially for the manufacturer of the open web joists and is not covered by a C.S.A. specification. However, a specified chemical composition as well as a minimum yield stress of 55 k.s.i. are required. A typical chemical analysis for this steel is shown in Table 3.3. Tension coupons cut from the web of the hat section are used in the mill tests to determine the yield stress.

The complete range of hot rolled hat shaped sections which were available for this investigation is shown in FIG. 3.1. Sections were chosen from this group which should exhibit the most severe distribution of residual strains as well as significant variations in yield stress over the cross section.

The residual strain distribution is produced by differential cooling and plastic flow of the cross section during its manufacture. The pattern of differential cooling is affected primarily by the length and thickness of the flanges. Sections E, F and L, shown in FIG. 3.3, were chosen to investigate the possible different residual strain distributions. The difference in the residual strain results obtained from E and F should be caused primarily by the difference in flange length while the difference in results between sections F and L would be caused by the

variation in flange thickness.

The yield stress is affected by the differences in the grain structures of the steel produced by different rates of cooling. Section L was accordingly chosen to investigate variations in yield stress as portions of this section should have experienced the widest variation in cooling rates compared to other sections. Dimensions of section L are given in FIG. 3.2.

Table 3.1 lists the material properties obtained from tension tests on specimens cut from section L. A length of this section was cut into eight strips as shown in FIG. 3.2. The strips were then machined to tension coupons and tested in a hydraulic testing machine. The static yield stress, σ_y , was obtained by holding the specimen at a constant strain for five minutes. A modulus of elasticity, E, equal to 29,600 kips/ins² was used to compute the yield strain, ε_y , as σ_y/E . The strain hardening modulus, E_{st} , was taken as the slope of the tangent to the initial part of the strain hardening portion of the curve. The strain at the onset of strain hardening is denoted by ε_{st} and the ultimate stress as σ_{ult} . The initial portion of a typical stress strain obtained for the test coupon is depicted in FIG. 3.4.

The variation between the highest and lowest values of the yield stress measured for section L amounted to approximately 15% of the lowest value. This variation is less than that for WF shapes where corresponding variations of 20% have been noted.

Residual strain distributions for sections E, F and L are shown

in FIG. 3.5 and FIG. 3.6. The distributions were determined for one specimen of each of sections F and L and for three specimens of section E, as this gave the most severe distribution and the largest magnitude of strain. The measurements used to obtain the residual strains account for the curvature produced by the bowing action when the strips were cut free. Locations of the strips are shown in FIG. 3.3.

All sections showed the same general distribution of residual strain, with the exception of section F. In section F the strain values were relatively low and the resulting distribution may not be reliable.

The residual stress distribution must satisfy the three equations of equilibrium. These may be expressed as

$$\int \sigma_{\mathbf{r}} dA = 0$$
 3.1

$$\int \sigma_r y dA = 0$$

$$\int \sigma_r x dA = 0$$
3.2

$$\int \sigma_{\mathbf{r}} \mathbf{x} dA = 0$$
 3.3

Equation 3.1 states that the net axial force on the section must be zero, while Equations 3.2 and 3.3 state that the moments due to the residual stresses about the x and y axes must be zero. The residual stress distributions computed from the measured residual strain distributions did not satisfy these equations exactly. The measured residual strain distributions were therefore adjusted before being used in computations.

The residual stress distribution obtained for section E was chosen as being the most severe expected for hot rolled hat shaped sections. This residual stress distribution was idealized as shown in FIG. 3.7. In FIG. 3.7, L1 represents the length of the flange, L2 the length of the web and L3 the length of the top of the hat. The lengths were measured on the center line of the section. The magnitude of the compressive stress in the flange tips, C, was selected on the basis of the measured values. With the specified value of C, and the known section geometry, the idealized distribution can be adjusted to comply with equations 3.1 and 3.2 by adjusting T and F. Equation 3.3 is satisfied by symmetry. T is the tensile stress in the flange and F the compressive stress in the top of the hat. The necessary computations were programmed for computer solution. Results obtained for sections E, F and L are given in Table 3.2.

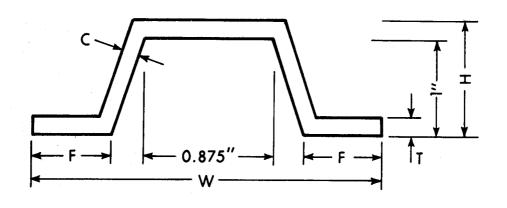
TABLE 3.1 MATERIAL PROPERTIES FROM TESTS ON SECTION L

Strip Number	σy k.s.i.	$\frac{\varepsilon}{y} = \frac{\sigma_y}{E}$	[€] st ins/ins	E _{st} k.s.i.	ult k.s.i.	% elongation
1	56.4	0.00191	0.0128	646	84.1	22.5
2	53.2	0.00180	0.0107	603	83.4	20.5
3	53.5	0.00181	0.0163	540	81.5	19.7
4	50.6	0.00171	0.0067	700	81.7	15.2
5	49.2	0.00166	0.0068	681	83.4	17.3
6	53.0	0.00179	0.0152	500	80.7	18.0
7	52.1	0.00176	0.0083	760	82.5	21.3
8	54.1	0.00183	0.0156	740	84.3	19.2

Note E = 29,600 k.s.i.

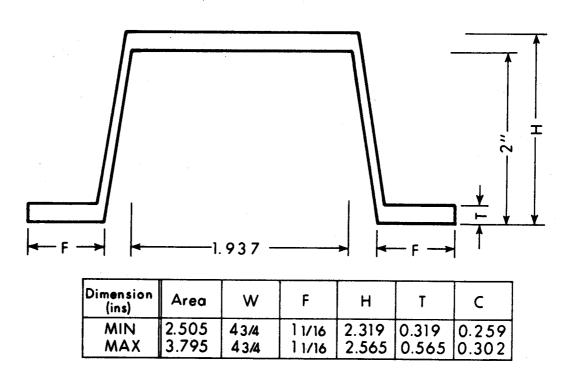
TABLE 3.2 VALUES FOR BALANCED, IDEALIZED RESIDUAL STRESS DISTRIBUTION

Section	C k.s.i.	T k.s.i.	F k.s.i.	
E	7.5 7.5	7.8 7.7	1.8	
Ĺ	7.5	7.6	1.1	



Dimension (ins)	Area	W	F	Н	T	С
MIN	0.45 2.237	21/2 41/8			0.162 0.481	

RANGE OF DIMENSIONS FOR ELEVEN SHALLOW HAT SECTIONS FROM MANUFACTURERS CATALOGUE



RANGE OF DIMENSIONS FOR FIVE DEEP HAT SECTIONS FROM MANUFACTURERS CATALOGUE

FIG. 3.1 DIMENSIONS OF HOT ROLLED HAT SHAPED SECTIONS

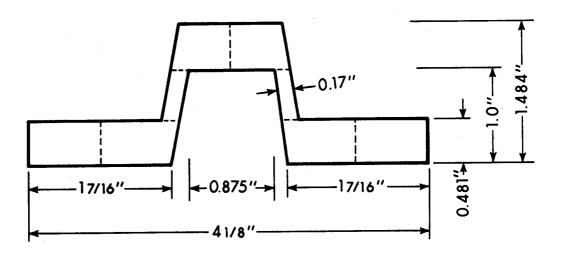


FIG. 3.2 SECTION L - DIMENSIONS TAKEN FROM MANUFACTURERS CATALOGUE

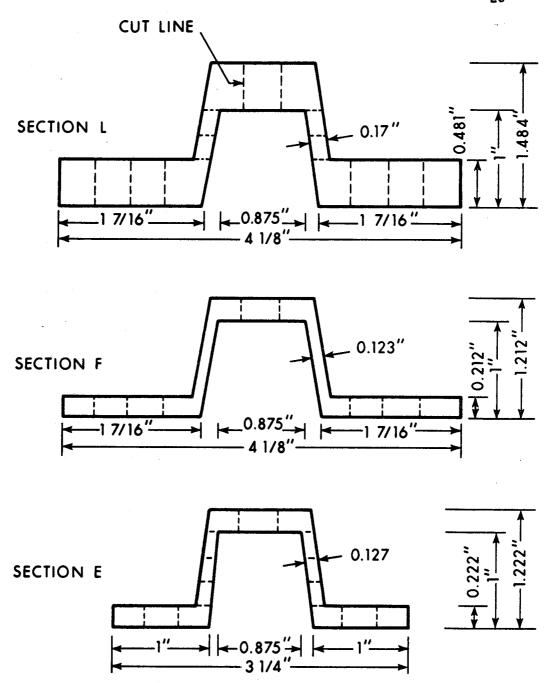


FIG. 3.3 SECTIONS E, F AND L - DIMENSIONS TAKEN FROM MANUFACTURERS CATALOGUE

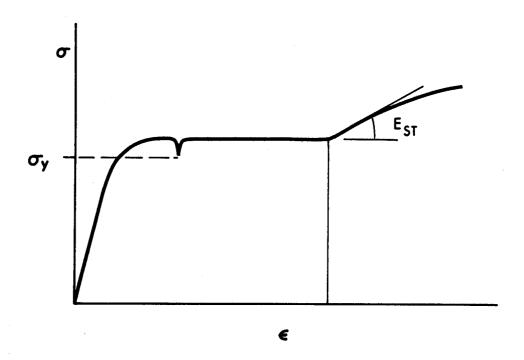


FIG. 3.4 INITIAL PORTION OF TYPICAL STRESS-STRAIN CURVE - SECTION L

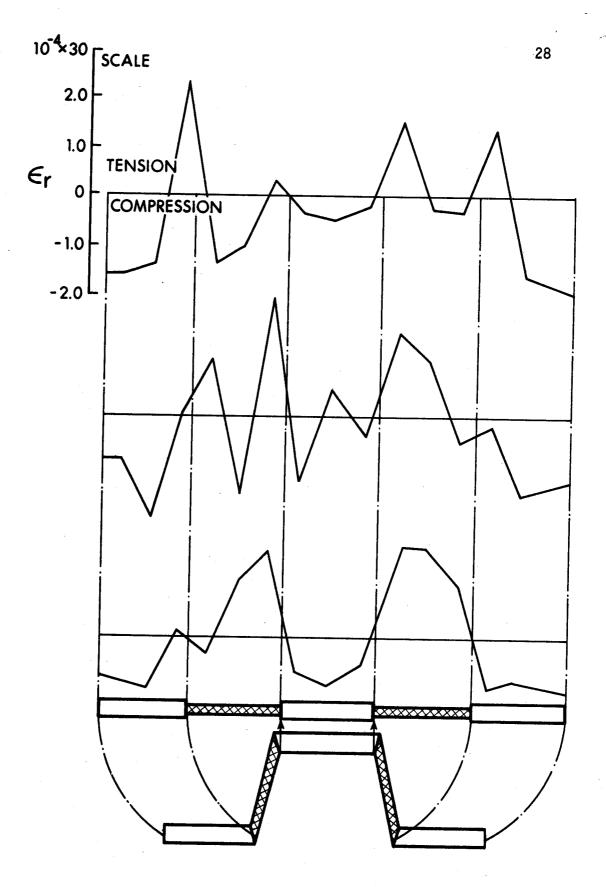


FIG. 3.5 RESIDUAL STRAINS - SECTION E

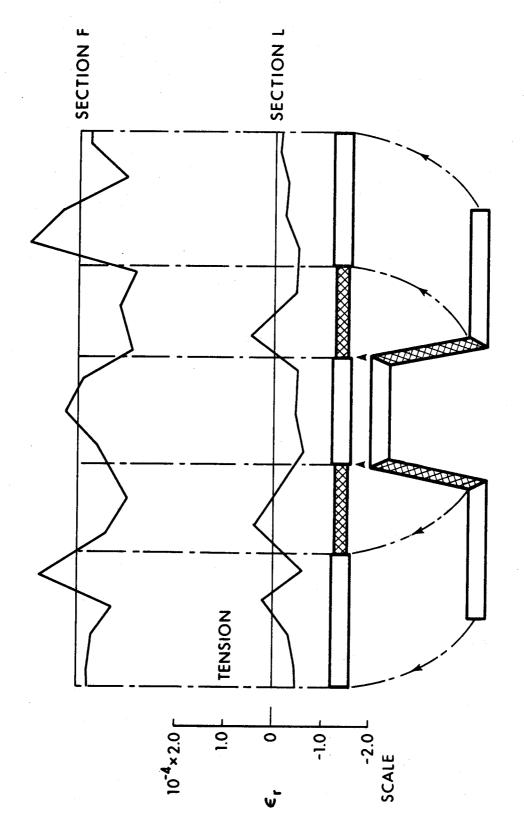


FIG. 3.6 RESIDUAL STRAINS - SECTIONS F AND L

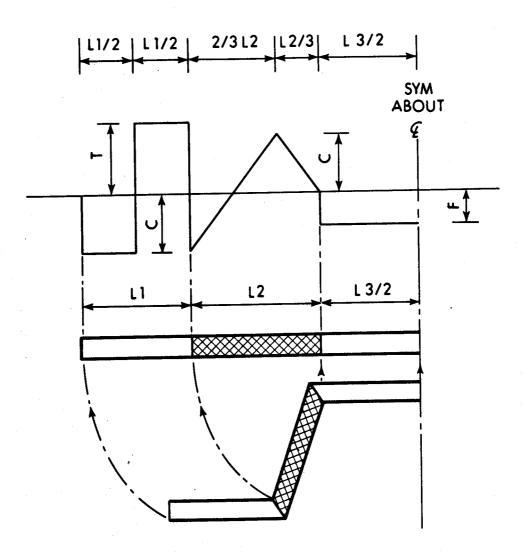


FIG. 3.7 IDEALIZED RESIDUAL STRESS DISTRIBUTION

CHAPTER IV

ANALYTICAL INVESTIGATION

The analytical investigation used Equations 2.7 and 2.8 to establish the critical lengths corresponding to flexural and lateral-torsional buckling. These equations are in terms of three unknowns; the load, the section properties and the critical length. Hence, any two of these quantities must be known before the equations can be solved. However, the section properties are influenced by the load, as the load level determines the extent of yielding in the section. The equations cannot, therefore, be solved directly.

Equations 2.7 and 2.8 were solved by first applying a uniform strain, ε_a , to the cross section as depicted in FIG. 4.1. The cross section was sub-divided into finite areas ΔA . Then, for any fibre, the total strain ε_+ , is the sum of the residual and applied strains:

$$\varepsilon_{t} = \varepsilon_{r} + \varepsilon_{a}$$
 4.1

The stress-strain relationship, FIG. 3.4, was entered with the total strain and the corresponding stress, σ , obtained. The stress in the fibre times the sub-area, summed over the cross section is equal to the applied load, P:

$$P = \sum_{A} \sigma \cdot \Delta A$$
 4.2

The elastic core is defined by the total strain in each individual fibre. In the instant before buckling, the sub-areas are either elastic or plastic under the axial load. If the sub-area has yielded, it is assigned a zero thickness, if elastic, the actual thickness. For sub-areas strained into the strain-hardening region, the thickness $\mathbf{t_i}$ is given by:

$$t_i = t \frac{E_{st}}{E}$$
 4.3

where t is the actual plate thickness. Section properties are then evaluated for the elastic core. However, K_T is based on the original area. (8)

With the section properties and axial load known, equations 2.7 and 2.8 can be solved for the lengths corresponding to flexural and lateral torsional buckling. The process was repeated with increasing values of the applied strain to trace the complete column curves. FIGURE 4.2 is a flow chart of the process, a listing of the computer program is included in Appendix A.

Three shallow hat sections, E, F and L were investigated.

The residual strain distribution assumed was as shown in FIG. 3.7,

however, three different assumptions were made for the yield stress

distribution on the section. For one analysis, the yield stress was

assumed to be constant at 55 k.s.i. over the cross section. In the

second analysis the measured yield stresses for section L (Table 3.1)

are used for the appropriate fibres. Finally a yield stress of 55 k.s.i. is used for the web plates and the yield stresses in the remaining plates, $F_{\gamma B}$, are given by:

$$F_{YB} = 55 \times \frac{B}{W}$$
 4.4

where B corresponds to the yield stress measured in the appropriate plate of Section L and W, to the yield stress measured in the web of Section L. This process is conservative as it implies that further reductions would be proportional to the changes in plate thickness; section L has the greatest variation in plate thickness.

The heaviest and highest deep hat sections, designated R and M in the manufacturers catalogue, and shown in FIG. 4.3 were also investigated. Deep hat sections showed a progressive increase in thickness from the lighter to the heavier sections. Therefore, the behaviour of R and M would represent limits on the range of behaviour for deep hat sections. The residual stress distributions were assumed to be as shown in FIG. 3.7. The yield stress distribution was assumed to be the same as that measured for the shallow hat sections. Section M was also analysed with an artifically higher yield stress in the web than in the remainder of the section.

FIG. 4.1 CHANGE IN SECTION GEOMETRY UNDER APPLIED LOAD

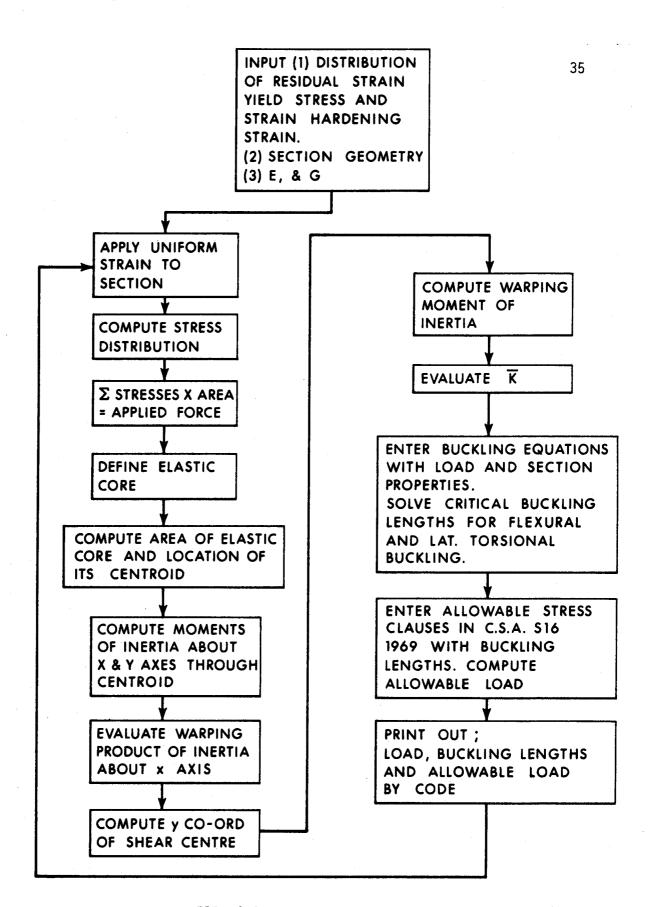
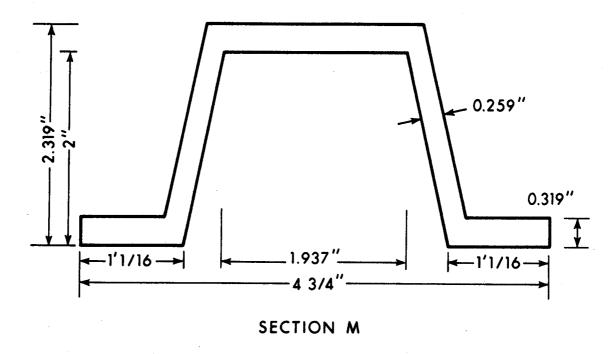


FIG. 4.2 FLOW CHART OF PROGRAM LOGIC



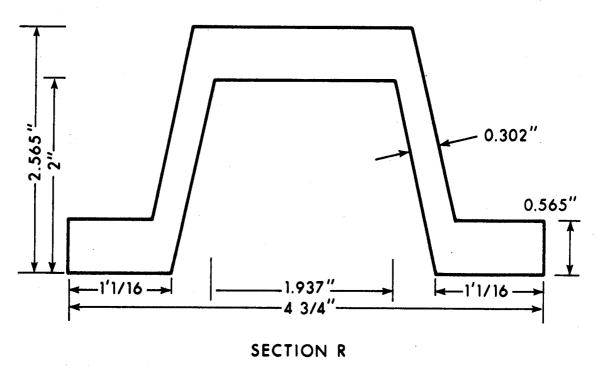


FIG. 4.3 SECTIONS M AND R DIMENSIONS TAKEN FROM MANUFACTURERS CATALOGUE

CHAPTER V

RESULTS

Column curves for the different sections analysed are given in FIGS. 5.1 to 5.5. These curves plot the relationships between the slenderness ratio, L/r_x , and the average applied stress at the instant of buckling, σ . The buckling stress has been non-dimensionalized as σ/σ_y , where σ_y is the weighted yield stress for the section and is given by:

$$\sigma_{y} = \frac{\int_{A}^{A} \sigma_{y} dA}{A}$$
 5.1

where $\sigma_{\overline{y}}$ is the yield stress on element dA, of the cross section, and A, is the area of the cross section.

The curves have the same general shape for all sections analysed. For a long, slender column, the maximum total strain at buckling is below the yield strain. More stocky columns buckle only after portions of the cross section have yielded and very short, or stub columns, unload only after complete yielding of the section.

FIGURE 5.1 plots the column curves for section E. The relationships for flexural buckling and for lateral-torsional buckling are plotted through the full range of column lengths (long, intermediate and short). For each mode of buckling, three different yield stress

distributions were assumed as discussed above. The results for the longer columns, which buckled elastically, are independent of the yield stress distributions. In the inelastic range, the column curves were fairly similar under the assumption of a constant yield stress over the cross section and the assumption that the yield stress distribution was adjusted to produce a value of 55 k.s.i. in the web. The section having the measured yield stress distribution, however, had a reduced flexural buckling strength, as compared with the other two. The average of the measured yield stresses for this section was less than the average yield stress for the sections having the two assumed distributions; thus this section deteriorated more rapidly once yielding was initiated since the residual strains represented a higher proportion of the yield strain. In each figure the separation caused by the different yield stress distributions is emphasised by shading. FIGURES 5.2 and 5.3 show similar trends for sections F and L. For each section, the lowest buckling strengths were obtained for the measured yield stress distribution. The separation between the flexural and lateral-torsional buckling curves increased for the heavier sections, since the larger flanges increased the torsional resistance more than the flexural resistance.

All curves show a marked discontinuity due to the shape of the assumed residual strain distribution. The residual strains were assumed to be constant over the flanges and top of the hat section. Consequently, large areas of the cross-section yield simultaneously, producing a drastic

reduction in flexural and torsional stiffness. The true residual strain distribution would be similar in shape to that assumed, but would probably vary somewhat over the plate length. Hence, under increasing axial load, progressive yielding of the section would occur, causing a gradual reduction in the buckling strength. The assumed residual strain distribution is probably more severe than the actual distribution, and the predicted buckling strengths are thus conservative.

For all sections analysed, the ultimate strength of the member was associated with the flexural buckling strength, regardless of the yield stress distribution assumed. The results obtained for the section having the measured distribution of yield stress and the adjusted distribution of yield stress, showed the least amount of spread between the flexural and lateral torsional buckling curves. For these distributions the yield stresses in most of the flange plate areas were lower than in the webs. Hence the flanges yielded at a relatively early stage of loading and, at this stage, the member acted as a narrow beam with a high flexural but a low torsional resistance.

The tendency for failure through lateral torsional buckling is increased for deep hat sections. FIGURES 5.4 and 5.5 plot column curves for sections M and R respectively. For these sections, the lateral torsional buckling strength is slightly lower than the flexural buckling strength over a small range of slenderness ratios. The tendency towards failure by inelastic lateral torsional buckling was further increased by assuming an artifically higher yield stress in the web of

plots the column curve for this case. The lateral torsional buckling strength is now slightly lower than the flexural buckling strength over a larger range of slenderness ratios. However, even in this extreme case, the ultimate strength of the member is very close to that associated with the flexural buckling strength. For the cases considered, the ultimate strength of hot rolled hat shaped column sections can be taken as the flexural buckling strength.

This conclusion implies that the allowable stress provisions of C.S.A. S16 1969 will provide the customary factors of safety against buckling. TABLE 5.1 lists the minimum factors of safety computed for the different sections.

The slenderness ratios listed in TABLE 5.1 represent the boundaries of the various provisions of C.S.A. S16 (0, $\rm C_0$, $\rm C_p$) and one intermediate point, which corresponds to the elastic limit L/r $_{\rm X}$ = 78. The location of these slenderness ratios is indicated in FIG. 5.7. In the elastic buckling range as defined by C.S.A. S16 (L/r $_{\rm X} \geq \rm C_p$) the factor of safety is 1.92 and once the section is completely yielded at L/r $_{\rm X}$ = 0, the factor of safety is 1.67. The factor of safety at L/r $_{\rm X}$ = 78 is greater than 1.92 since the residual strain distribution assumed by C.S.A. S16 is more severe than the measured distribution used in this investigation.

In each case considered, the factors of safety provide an adequate margin against buckling and justify the use of C.S.A. S16

1969 as a basis for design.

The analysis used to obtain the column curves assumes that the load is applied concentrically. However, the investigation showed that yielding of a portion of the cross-section is accompanied by a slight shift in the centroid of the elastic core. This process is depicted in FIG. 5.6 for one load increment. The axial load is applied through the original centroid C, until a limiting value of the axial load, Pel, is reached. Under a subsequent increment of axial load, ΔP , the section yields and the new centroid, $C^{'}$, is situated a distance e from the original centroid. The member is now subjected to an axial load of P + Δ P and a moment of e x Δ P. The magnitude of this moment, however, is small. TABLE 5.2 lists the values of e for section E. For this section P_{el} is 49.5 kips and, as the load is increased above this value, the centroid of the elastic core moves from its original position. Each increment of load therefore, induces a moment, as the load increments are no longer applied through the original centroid. Under the last increment of load the section is completely plastic. The total moment acting on the section at this stage is obtained by summing the moments induced by the individual load increments. For section E this total moment is 0.62 in. kips. This moment compares with the plastic moment capacity for the section of 16 in. kips, that is, the total moment is 2.5% of the plastic moment. The error caused by neglecting the effect of the shift of the centroid should be small. (12) Buckling strengths obtained from tests on 'T'

sections compare closely with the theoretically predicted strengths under similar conditions. (12) The comparison showed that for practical purposes, the shift of the centroid could be neglected.

Section	0 0	Tenderness $C_0 = 19$	Ratio 78	C _p = 82
Ε	1.67	1.67	2.1	1.92
F	1.67	1.67	2.1	1.92
L	1.67	1.67	2.1	1.92
M	1.67	1.67	2.1	1.92
R	1.67	1.67	2.1	1.92

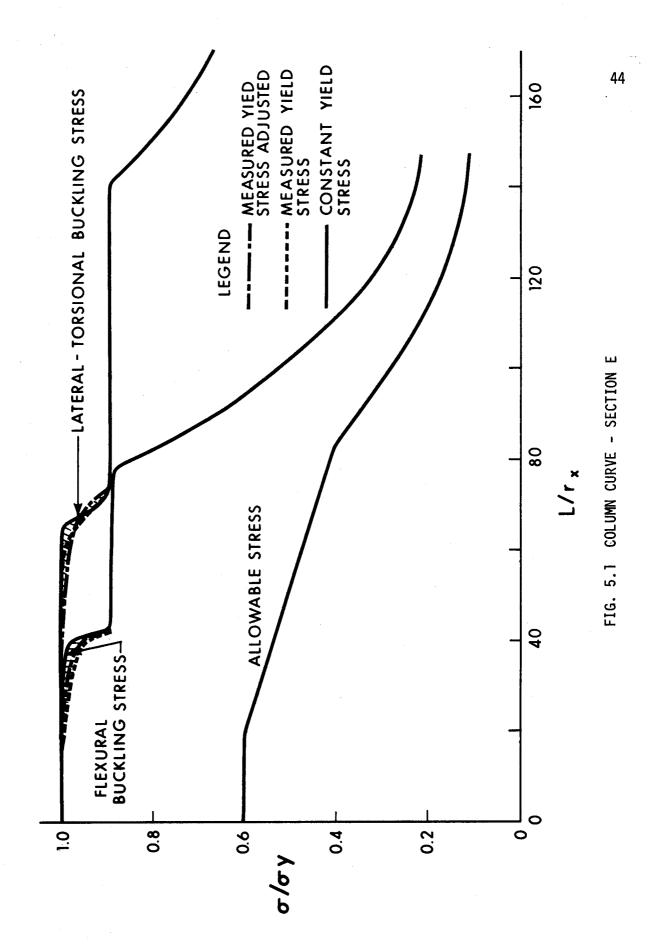
TABLE 5.1 FACTORS OF SAFETY PROVIDED BY

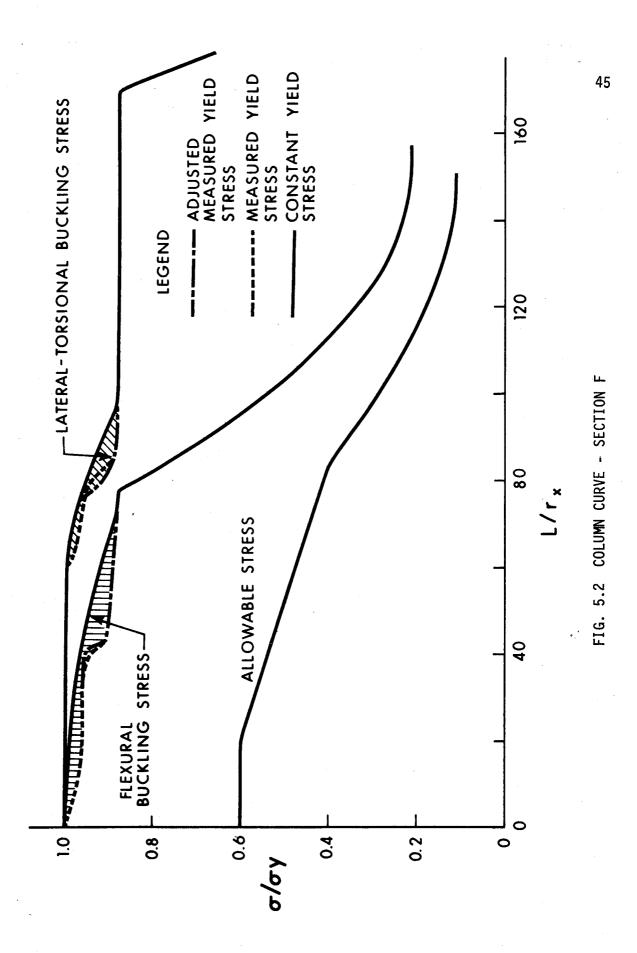
C.S.A. S16 1969 AGAINST BUCKLING

Total Load kips	Load Increment ΔP (kips)	Distance from top of hat to centroid	Shift in centroid e (ins)	Applied Moment e x ΔP
49.5		0.69		
52.4	3.9	0.75	0.06	0.23
53.9	1.5	0.76	0.07	0.10
55.2	1.3	0.76	0.08	0.10
56.4	1.2	0.85	0.16	0.19

Total Moment = 0.62 ins. kips

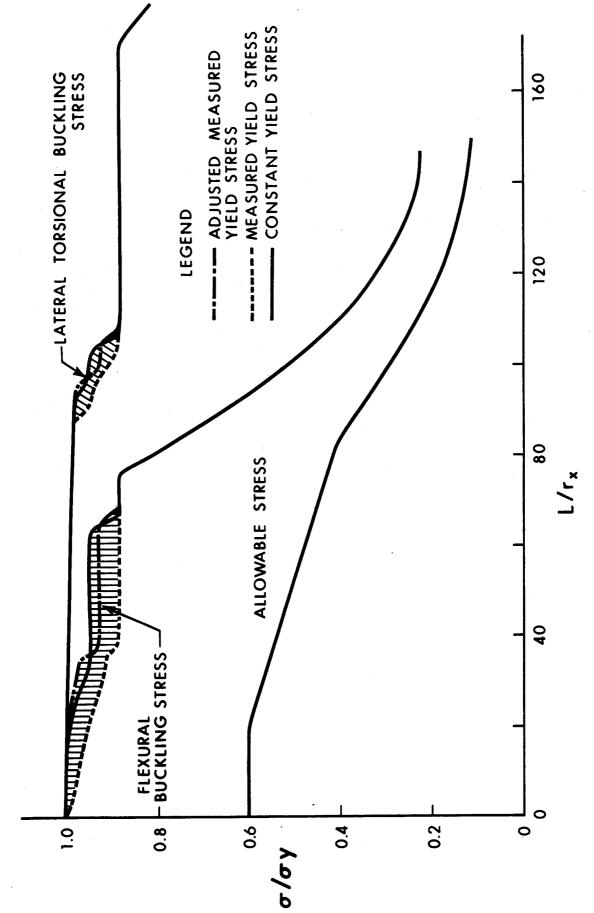
TABLE 5.2 SHIFT OF CENTROID SECTION F

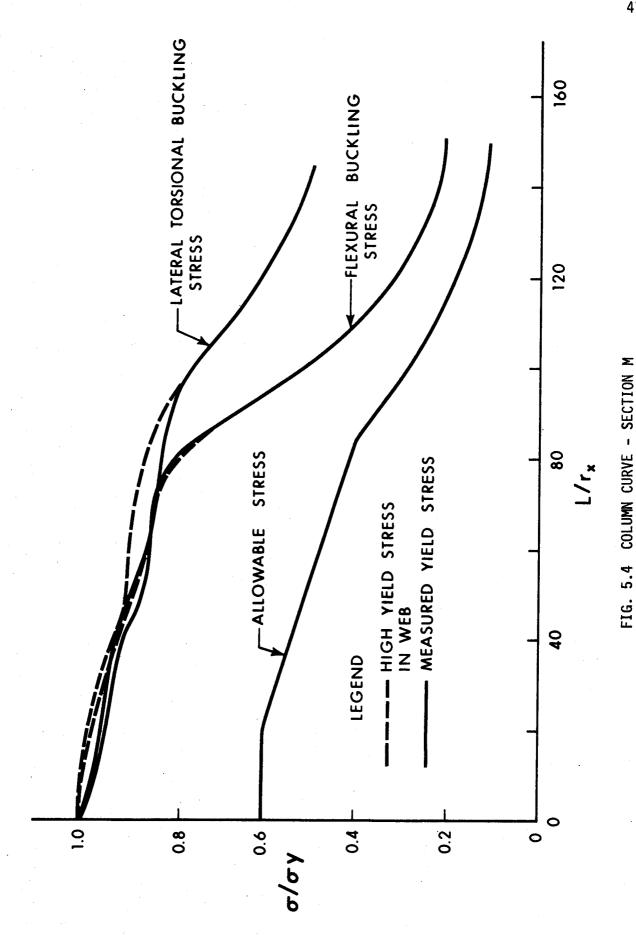


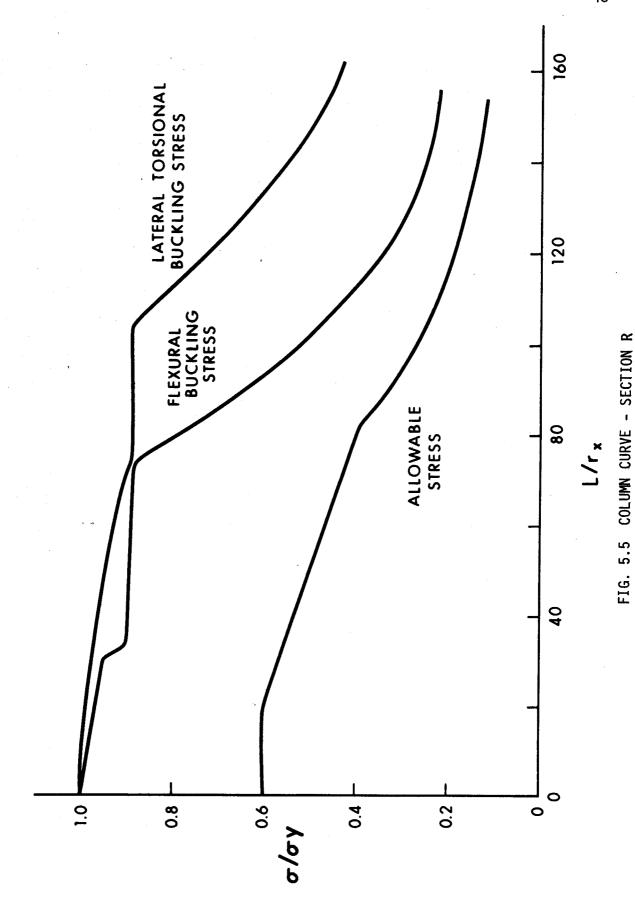


COLUMN CURVE - SECTION L

FIG. 5.3







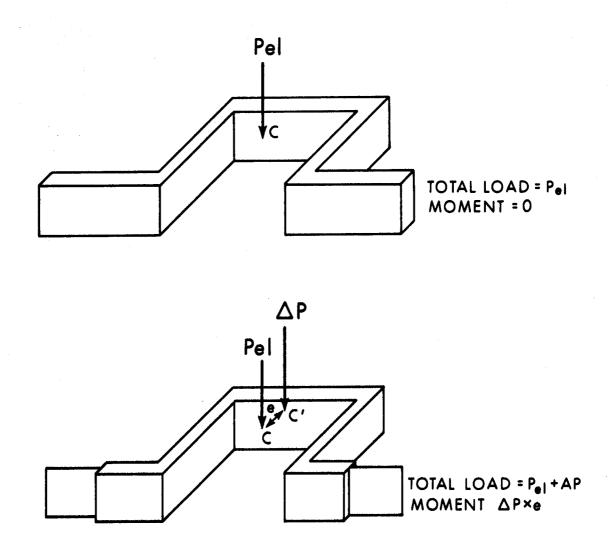


FIG. 5.6 SHIFT OF CENTROID ON YIELDING

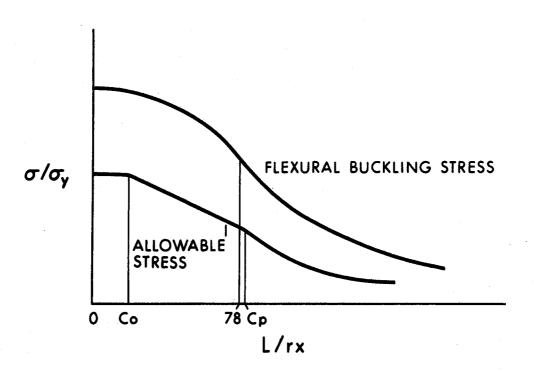


FIG. 5.7 SLENDERNESS RATIOS USED IN TABLE 5.2

CHAPTER VI

SUMMARY AND CONCLUSIONS

Hot rolled hat shaped sections are commonly used as chord members for open web steel joists. The chord member may be idealized as a series of pin ended axially loaded segments. The ultimate strength of a segment is assumed to be given by its buckling strength. As the section has only one axis of symmetry, buckling may occur in either a flexural or a lateral torsional mode.

Residual strains were measured for the hat shaped sections using the method of sectioning, but allowing for the bowing action of the strips on release. With the residual strains known, a step by step procedure, based on the tangent modulus approach, was used to obtain column curves for the different sections. The column curves covered the practical range of slenderness ratios and considered the effect of variations in the yield stress distribution on the buckling strength.

The measured residual strains were small, with maximum compression values of approximately 0.00025 inches per inch. The idealized residual strain distribution assumed constant compressive strains over the flange tips, which caused discontinuities in the column curves as these areas yielded. However, the idealized distribution furnishes conservative results as it envelopes the actual distribution.

A lower bound on the buckling strength resulted from the con-

residual strains represented a greater proportion of the average yield strain for this distribution and so deterioration of the section in the inelastic range was more rapid than for the other idealized distributions.

The column curves were based on the tangent modulus concept recommended by the Column Research Council. Column curves obtained using this concept showed that the flexural buckling strength was generally less than the lateral torsional buckling strength. Exceptions to this rule were found to exist over very small ranges of slenderness ratio and only under extreme conditions. The allowable stress provisions contained in C.S.A. S16 1969 resulted in adequate factors of safety against buckling; the use of these provisions for design of hot rolled hat shaped sections is justified.

The investigation assumed that the ultimate strength of the member corresponds to its buckling strength and did not consider the effects of the lateral loads and end restraints on the ultimate strength of the member.

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ACKNOWLEDGEMENTS

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The assistance of H.A. Krentz, Director of Research and Development, C.I.S.C. and A.J.M. Aikman, Alberta Regional Engineer, C.I.S.C., is particularly acknowledged. The cooperation and interest of A. Turnbull, and other staff members of Great West Steel Industries Ltd., is also acknowledged. Great West Steel Industries Ltd., also supplied the specimens used for the determination of the material properties.

The assistance of J. McLean and members of the Civil Engineering Staff in the performance of the testing program, and Miss H. Wozniuk who typed the report, is acknowledged. B. Constant assisted in writing the computer program.

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AYBART = AYBART + AYBAR 75 WRITE (DUTPUT,76) I.K.IX(I.K),IY(I.K),ST(I.K),A(I.K),AYBAR,STRESY(11.K),SS(I.K) 74 FORMAT (20. 16. 70. 6. 10. 6. 20. 11. 6. 20	14.7F10.216.7F10.81.7F10.87.F10.81.7F10.81.37.F10.81.5X.F10.81.5X.F10.81. 100 CONTINUE 200 CONTINUE YBAR = AYBART/AIXT WRITE (OUTPUT,111) YBAR 111 FRRMAT (9X.YRAR) = 1.F10.41.1	D0 400 [=1,3] P = D([]) D0 300 K=1,P F = K D0 = D([])	IF (1.E3.2) GO TO 105 IXBAR = (IX(I,X)+A(I,X)*YBAR**2)*2. IYBAR = (IX(I,X)+A(I,X)*(L(I)/DD*(DO-F+O.5))**2)*2. GO TO 115 105 L2 = L(2) IXBAR = (IX(I,X)*A(I,X)*(L2*COS(THETA)-YBAR)**2)*2.	L3 = L(3) 1YBAR = [IY(I,K)+4(I,K)*(L3+L2*SIN(THETA)+L(I)/DD*(ND-F+0.5))**2)* 10	95 FORMAT (9X, 'LOAD = ', FIG.4, KIPS'//9X, 'MORKNT OF INFRTIA ABOUT IT X CENTROIDAL AXIS = ',FIO.4,' IN. TO THE FORTH'//9X, 2 'MOMENT OF INERIA ABOUT Y CENTROIDAL AXIS = ',FIO.4,' IN. TO TH SE FORTH'// 9X,' AIXT = ',FIO.4,' SQUARE IN'//9X,' AYBART = ', C COMPUTE CONDINATES OF NODE POINTS- XC(I),YC(I) - WITH RESPECT TO C CENTROIDAL AXIS C L1 = L(1) L2 = L(2) L3 = L(3)	01 = 0(1) 02 = 0(2) 03 = 0(3) 11 = 1(1) 12 = 1(2) 13 = 1(3) 011 = 0(1) 022 = 0(2) 033 = 0(3)
ISN 0084 ISN 0085	20000			ISN 0106 ISN 0107 ISN 0108 ISN 0109 ISN 0111 ISN 0112 ISN 0113 ISN 0114 ISN 0116	ISN 0117 ISN 0118 ISN 0118 ISN 0110	

				A ²
1 11V1 0SITHETA1 - YBAB 60 TO 149 [F-1a]#L1/D11)- L3 - L2#SIN(THETA)	XC(I) = -L1-L3-L2*SIN(THETA) CONTINUE NODE POINTS - SECTION 2 DIV2A = DIV1 + 1 DO 155 1=D1V2A.DIV2B S=D1V1 = 1 TT = 1 TT = 1 TT = 1 TX(I) = L2*CQS(THETA) - (LTT-S)*L2/D22*CQS(THETA)) XC(I) = -L3 - (L2*SIN(THETA)-L2/D22*(TT-S)*SIN(THETA)) CONTINUE	NODE POINTS - SECTION 3 DIV3A = DIV2B + 1 DIV3A = DI + D2 + D3 + 1 DIV3B = D1 + D2 + D3 + 1 DI 100 160 1=DIV3A,DIV3B S = DIV2B TT = I YC(1) = -YBAR YC(1) = -YBAR YC(1) = -YBAR SCALL = -L3-(TT-S)*L3/D331 CONTINUE DI 1 = 2+D3 + 1 - (J-1) YC(1) = YC(1) = YC(1)	(1,1) FOR EACH ELEMENT SECTION 1 D1 -(L2*COS(THETA)-YBAR)	ECTION 2 AR*TAN(THETA))*COS(THETA) 32 DDD2
C DIVI = DO 150 150 150 150 150 150 150 150 150 150	149 150 C C C C	J D D D D D D D D D D D D D D D D D D D	XC11) = -XC 165 CONTINUE C COMPUTE ROE C ROE(1,J) - C DO 170 I=1, J = I + 1 ROE(1,J) = C CONTINUE C	66 ROE2= (L3+VBAR*TA 67 DD1 = D1 + 1 68 DD02 = D1 + D2 69 DO 175 I=DD1, DD02
ISN 0130 ISN 0131 ISN 0132 ISN 0133 ISN 0134 ISN 0134		I SN 0149 I SN 0149 I SN 0150 I SN 0151 I SN 0153 I SN 0154 I SN 0156 I SN 0156 I SN 0156 I SN 0156 I SN 0156 I SN 0156 I SN 0156		1SN 0166 1SN 0167 1SN 0168 1SN 0169

100	ACC 1-1 C/2 CC
	(= 1 + 1 = 1)
15N 0219	֓֞֞֞֓֓֞֓֓֓֟֟֝֓֓֓֓֟֝֟֝֓֓֓֓֟֝֟֝֓֓֓֟֝֟֝֟֝֟֝
	(J.GT.004)
ISN 0226 ISN 0228	IF (J.6T.002) 60 T0 220 IF (J.6T.001) 60 T0 215
	C COMPUTE VALUES OF M(J)
	W(3) = W(1) +
ISN 0232 ISN 0232 ISN 0233	215 W(J) = W(I) + ROE[1.J)*L2/D2?
	GD TO 240
15N 0235	GG TG 240
	GO TO 240
	230 W(J) = W(I) + ROE(I,J)*L2/D22 GD TO 240
0	. (L
	}
15N 0243	11× = 0.00
	270
	= 1 + 1
ISN 0247	(J.6T.DD4) GO TO
	9
ISN 0253 ISN 0255	00
0	IWX = IWX + 1./3.*(W(I)*XC(I)+W(J)*XC(J)!XIIXLI/DII*EF(I.J.)+ 1./6
ISN 0258	IWY = IWY + 1.73.*(W[1])*VC(1)+W(J)*VC(J))*T1*L1/D11*FF(I,J)+ 1.76. $1*(W[1)*VC(1)+W(J)*VC(T))*T1*I JD11*FF(I,J)$
I SN 0259	309 FORMAT (9X,15,9X,15,10X,F10.4,8X,F10.4//)
	7"1 + XMI
ISN 0262	(3) + WC + 1.*/
	1*{W[1]*YC(J)+W(J)*YC(T)}*T2*L2/D22*FF(T,J) 60 TO 270
ISN 0264	250 [WX = [WX + 1./3.*(W(I)*XC(I)+W(J)*XC(J))*T3*L3/D33*FF(I,J)+ 1./6.
ISN 0265	
	1*(W(I)*YC(J)+W(J)*YC(I))*T3*L3/D33*FF(I,J) 60 In 270
ISN 0267	255 IWX = IWX + 1./3.*(W(1)*XC(1)+W(1)*XC(1))*T3*L3/D33*FF(I,J)+ 1./6. 1*(W(1)*XC(1)+W(1)*XC(1))*T3#13*L3/D33*FF(I,J)+ 1./6.
ISN 0268	INY = INY + 1.(2.**(H(I)*YC(I)*H(J)*T3*L3/D33*FF(I.J)+ 1./6.
ISN 0269	<pre>l*(* Y(() + W() * Y((* </pre>

(1, 1) + 1, /6.	(I,J)+ 1./6. (I,J)+ 1./6.	REFERENCE)	CENTROID) = ',Fl CENTROID) = ',Fl		ETA				
	GO TO 270 265 IWX = IWX + 1./3.*(MII)*XC(I)+MIJ)*XC(J))*T1*L1/D11*FF(I,J)+ 1./6 I*(MII)*XC(L)+MIJ)*XC(I)+T1*L1/D11*FF(I,J) IWY = IWY + 1./3.*(MII)*YC(I)+MIJ)*YC(J))*T1*L1/D11*FF(I,J)+ 1./6 1*(MII)*YC(J)+MIJ)*YC(I))*T1*L1/D11*FF(I,J)	COORDINATES OF SHEAR CENTRE (WITH CENTROID AS AIVRBART	NATE OF SHEAR CENTER (WRT NATE OF SHEAR CENTER (WRT SHEAR CENTRE	ROEO DD2 = D1 + D2 + DD1 = D1 + 1 YY2 = L(2)*COS(3ETA.GT.THE = -1.000 1.310 = 1.000 f = ABS(THE = SIN(THBE	25.1	12 B 2	325 ROEO(1,4) = ROE2*SIGN 60 TO 335 330 ROEO(1,4) = -(ABS(YO)+L(2)*COS(THETA)-YBAR) 335 CONTINUE C COMPUTE WO(4) MO(1) = 0.00	AREA = 0.00 323 FORMAT (9x,15,10x,15,10x,F10.4,10x,F10.4//) DO 365 = 11,0005 J = I + 1
	ISN 0272 ISN 0273 ISN 0274	ISN 0276 ISN 0277		ISN 0280 ISN 0281 ISN 0282 ISN 0282	1 (1	1 : 1	ISN 0212 ISN 0213 ISN 0214 ISN 0215

		-						
		. !					÷	
*L1/011*FF	#L 2/022*FF	#L3/D33#FF	*L2/D22*FF *L1/D11*FF	= *F10.4				The state of the s
#11*(())W#*())₩+	MN(J)*#N(J))*T2*	WN(J)*WN(J))*T3*	**************************************	, KT E FORTH'//9X, 'TY IN.'//9X, 'YO = "		ED PRIOR		Marie de la companya
(1)+WN(1)*WN(J)+ (1)+WN(1)*WN(J)+	(I)+WN(I)*WN(J)+ L2/D22)	L3/D33) ([)+WN(I)*WN(J)*	(I)+WN(I)*WN(J)* L2/D22) (I)+WN(I)*WN(J)	L1/011) IYBAPT,XO,YO,IW 0.4,* IN. TO TH *XO = ".F10.4."	,'KT = ',F10.4/	1 ↓ ↓	-SS(I,K))*ES OF FLEMENT	
(2) 60 T0 415 (1) 60 T0 410 (-/3.*(WN(I)*WN (-/3.*((T1**3)*	./3.*(\W\(!)*\W\ ./3.*(\T2**3)* ./3.*(\T2**3)*			1./3.*((T]**3)* OUT,331)[XBART, 1,9X,*[X = ',F] FHF FOPTH'//9X.	∤• ≥	1,P RAIN IN SECTION -LT.SY(1,K))GG -GT.SS(1,K))GG Y(1,K)	Y(I,K)+(ST(I,K) I,K) ORDS OF CENTRE GO TO 1206	GO TO 1207
IF (J.GT.DD2) IF (J.GT.DD1) IW = IW + 1./ 1(1.5) KT = KT + 1./ 329 FORMAT (9x.15)	G0 T0 435 0 TW = TW + 1(1,1) KT = KT + G0 T0 435	1(1, 1) KT = KT + GO TO 435 IW = IW + 1(1, 1) KT = KT +	GG TO 435 (IsJ) KT = KT + KT = KT + GG TO 435		21N.*//94*1/ COMPUTE KB/ COMPUTE KB/ BARK=0.0 DO 1201 [=: P=D(1)	DO 1202 K= ST(I,K)=STi IF(ST(I,K) IF(ST(I,K) TRESS STRESS		IF(I.EQ.3) IIN=K JJN=K+1 GO TO 1208
	, ,	' "	, ,	1 7 '	1	ی ا		
		11 11 11 11 11 11 11 11 11 11 11 11 11	1F 1M 1M 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G		F (J. GT - DD2) GO TO 415	F (J, GT - DD2) GO TO 415	F (J, GT - DD2) GO TO 415	

C SECOND PART COMPUTES ALLOWABLE AXIAL LOAD THAT CAN BE CARRIED ON			
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T I I M C I M D I I L	1207 IGN TO 1208 1208 IGN TO 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1201 FE (55.50.1) 501 FORMAT(111,20x, 12.1) 502 FORMAT(111,20x, 12.1) 503 FORMAT(111,20x, 12.1) 504 FORMAT(111,20x, 12.1) 505 FORMAT(111,20x, 12.1) 506 FORMAT(111,20x, 12.1) 507 FORMAT(111,20x, 12.1) 508 FORMAT(111,20x, 12.1) 509 FORMAT(111,20x, 12.1) 500 FORMAT(111,20x,	1207 TINEK	1207 GITNER 1208 12
504 FORMAT(1HO, CRI 1*INS*) PROGRAM COMPUTE	1207 11N=K+0 (11)	1207 II.26 1207 III.84.D0111-D012 1208 CONTINUE XYEL=(YC(IIN)+XC(JJJN1)/2. YYEL=(YC(IIN)+XC(JJJN1)/2. YYEL=(YC(IIN)+XC(JJJN1)/2. YYEL=(YC(IIN)+XC(JJJN1)/2. XAAAE=(XAAAA*RESSOUH)1*(-1.)+BARK 1202 CONTINUE CONTINUE ROGERAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDD WRITE(6,501) O 10 10 10 10 10 10 10 10 10 10 10 10 10	1207 TIMEX+(111-10) 1207 TIMEX+(111-10) 1208 TOWN TIME XXEL=(XC(IIN)+XC(JJN1)/2, AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) 1202 CONTINUE 1202 CONTINUE C PROGRAM LERIT,COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD MRITE(4,501) 501 FORMAT(1H,120X,*CRITICAL LENGTHS RE AS BELOW*///) 1512 SS. 621.00.1 00 TO 1000 C PRINT OUT TIME AND THEN ECHIO CHECK DATA WRITE (4,502)SS.LOAD 502 FORMAT(1H,120X,*CRITICAL LENGTHS RE AS BELOW*///) 11 AFEB.2.** E= FB.1.** G= FB.1.** YNE *FT.2.** I W= FT.2.** I TEST.2.** I TEST.2.*
507 WRITE(6,504)AL, 504 FORMAT(1H0, CRI 1 IINS, C	1207 INHER FORTURE TO 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1208 CON	1207 IUN-K-0111-012) 1207 IUN-K-0111-012) 1208 CONTINUE XXEL=(XC(IINI+XC(JJN1)/2, XEL=(XC(IINI+YC(JJN1)/2, XEL=(XEL)/2, XELE=(XELE)/2, XEL	1207 TIME (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
1303 BL=0. 507 WRITE(6,504)AL, 504 FORMAT(1H0,'CRI 1.1NS.1.	1207 IINR(+DIL)+B(12) 1208 CONTINUE XYEL-(XC(IIN)+XC(JAN))/2. XYEL-(XC(IIN)+XC(JAN))/2. AAAK=(XXEL-XO)+(XYEL-YO)+(YYEL-YO) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 CONTINUE	1207 IUN-K-0112-08 1207 IUN-K-0111-012) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XC(IIN)+XC(JJN1)/2. AAAR=(XXEL-XO)*(YYEL-YO)*(YYEL-YO) 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1205 CONTINUE 1206 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 CONT	1207 TIME (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
BL=SQRT((-BBZ-S) GD TD 507 1303 BL=0. 507 WRITE(6,504)AL, 504 FORMAT(1H0,'CRI 1,1NS.1)	1207 IINRK+DIIJ+BIZ 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1200 CONTINUE 1200 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1308 CONTINUE	1207 11N=f+Di(1) 1208	1207 IIN=(+DIL)+0(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(1JM))/2. XXEL=(XC(IIN)+XC(1JM))/2. XXEL=(XC(IIN)+XC(1JM))/2. AAAA=(XXEL-XO)=(XXEL-XO)=(YYEL-YO)=(YYEL-YO) 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD WRITE(6,501) FORMIT (0.1) 121 FORSTS, EG. 100.) GO TO 1000 C RRINT OUT IIITE AND THEN ECHO CHECK DATA WRITE (6,502) SSS, LADA SOUTH (110) *SCT** RAPDS, IN=1F2.2' IV=*F7.2', IW=*F7.2', KT=*IV=*IV=*IV=*IV=*IV=*IV=*IV=*IV=*IV=*IV
1E(BZZZ,1L,0,1)G BL=SQRT((-BBZ-S, GD TD 507 1303 BL=0. 507 WRITE(6,504)AL, 504 FORRAT(1H0,'CRI 1,1NS,1	1207 IINRK+DIIJ+BIZ 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1200 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1200 CONTINUE	1207 IIN=140(1) 1208 CONTINE=1 (14-6)(1) 1208 CONTINUE XYEL=(XC(IIN)+XC(JAN))/2. AAAA=(XXEL-XO)+X(EVCL-VO)+(YYEL-VO) AAAA=(XXEL-XO)+X(EVC)+(YYEL-VO)+(YYEL-VO) BARK=(2,*AAAK*RES*DUM)+1*(-1,+BARK 1202 CONTINUE 1201 CONTINUE RRITG(6,*00) SOI FORMAT(IH,*CRIT,COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOG RRITG(6,*00) FOR SEC. 100. 1 GO TO 1000 RRITG(6,*00) RRITG(6,*00) SOI FORMAT(IH,*CRIT,LENGTHS FOR SECTION*F3.1,*4H ,*AXIAL LOAD- RRITG(6,*502)SSS,LOAD SOE FORMAT(IH,*SECT,PROPS.IX=F7.2,*1 IW=*F7.2,*1 IW=	1207 11N=1.
BZAZ=(-BBZ-SQRT IEBZAZ,1I_0_16 BL=SQRT((-BBZ-S, GO TO 507 1303 BL=0. 507 WRITE(6,504)AL, 504 FORMAT(1H0,'CRI) 11108:1	1207 GN TO 110-8C(01) 1208 GONTINUE 1208 CONTINUE XXEL=(XC(IIN)+XC(JJM))/2. XXEL=(XC(IIN)+YC(JJM))/2. AAAAK=(XXEL-XO)+(YXEL-XO)+(YYEL-YO) 1202 CONTINUE C CONTINUE C CONTINUE C CONTINUE C PROGRAN LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD WRITE(6,501) 501 FORMATIHI, 100x; CRITICAL LENGTHS ARE AS BELOW'////) RITE(5,502)5SS,LOAD 502 FORMATIHI, 10x1; CRITICAL LENGTHS ARE AS BELOW'////) KRITE (6,502)5SS,LOAD 503 FORMATIHI, 10x1; CRITICAL LENGTHS ARE AS BELOW'////) 1. A=1EA.21; E=1EA.11; G=1EA.11; VN=1E7.21; IV=1E7.21; IV=	1207 IIN=f+Dil+Dil208 1208 CONTINUE XYEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XAAAE-(XEL-XO)=(YYEL-YO)=(YYEL-YO) BARK=(2.*AAAK*TES*DUM1)*(-1.)+BARK IZOZ CONTINUE RRH=(5.501) SOI FORMAT(IIN)-YC(XETTICAL LENGTH FOR DIFFERENT BUCKLING WDG WRITE(5.501) FORMAT(IIN)-YC(XETTICAL LENGTHS ARE AS BELOW!///) IF ISSS.=G0.100.) GO TO 1000 C RRHT (III)-YC(XETTICAL LENGTHS FOR SFCTION'F3.1,4H ,'AXIAL LOAD: WRITE (5.502)SSS,LADA SOI FORMAT(IIH)-YC(XETT.LENGTHS FOR SFCTION'F3.1,4H ,'AXIAL LOAD: WRITE (5.502)SSS,LADA SOI FORMAT(IIH)-YC(XETT.LENGTHS FOR SFCTION'F3.1,4H ,'AXIAL LOAD: WRITE (5.502)SSS,LADA SOI FORMAT(IIH)-YC(XETT.LENGTHS FOR SFCTION'F3.1,4H ,'AXIAL LOAD: KITE(6.505)LX A=FREAZ+'E=FREAL-'G=FREAL-'G=FREAL-'G=YGATO SOI VECRIT LENGTH LAT.LORSIONAL BUCKLE C COMPUTE CRIT LENGTH LAT.LORSIONAL BUCKLE A = FREAZ+'E=FREE**TYBART B = GHKT D = GAKT C = FREAZ+'E=FREATYBART C = FREATYBART B = GHKT D = GAKT C = FREATYBART C = FREATYBART A = FREAZ+'E-FREE**TYBART B = GHKT D = GAKT C = FREATYBART C = FREATYBART A = FREAZ+'C(II-BAZ+SARK-AZ+RZ C = FREATYBART C = FREATYBART A = FREAZ+'C(II-BAZ+SARIABRZ-A**AAZ+CCI)/(12,*AAZ)) A = SOI TO 1302 A = SOI TO 1	1207 IINA-(ADII)
F(ZAZ.LT.0.)50 BZAZ=(-BBZ-SQRT IEBZAZ.LT.0.)51 BL-SQRT((-BBZ-S GO TO 507 1303 BL-0. 507 WRITE(6,504)AL, 504 FORMAT(1H0, 'CRI 1.1NS.1	1207 GU TO 11N=K-D (11) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. XYEL=(XC(IIN)+YC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. XYEL=(YC(IIN)+YC(JJM))/2. AAAAK=(Z.*AAAK*TRE\$*DUN)*(-1.)+BARK 1202 CONTINUE CONTINUE SOLIT TILE AND THEN ECHO CHECK DATA WRITE (6,501) GO TO 1000 CONTINUE (6,501) TILE AND THEN ECHO CHECK DATA WRITE (6,502) XYENT: LENGTH S FOR SECTION'F3.1,4H ,'AXIAL LOAD) SOLIT TILE AND THEN ENT TO XYENTS BUCKLE*(F7.2) TILE A=FEB.1,1 G=1EB.1,1 YN=1F7.2,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F8.1,1 G=1EB.1,1 YN=1F7.2,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F8.1,1 TY=1F8.1,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F8.1,1 TY=1F8.1,1 TY=1F7.2,1 TY=1F8.1,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F8.1,1 TY=1F8.1,1 TY=1F7.2,1 TY=1F7.2,1 TY=1F8.1,1 TY=1F8.	1207 11208	1207 1104 1208 1207 1104 1208 1207 1104 1208 1207 1104 1208 1207 1104 1208 1207 1104 1208
1302 CONTINUE 18(2A2-LT-0.)50 18(2A2-LT-0.)50 18(2A2-LT-0.)50 18(2A2-LT-0.)50 1303 BL-0. 507 WRITE(6.504)41, 504 FORMAT(1H0, 'CRI 1103 BL-0. C. PROGRAM COMPUTE	1207 GN TO 11 N + KC 1 J J M J) Z. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJM))/Z. YYEL=(YC(IIN)+YC(JJM))/Z. YYEL=(YC(IIN)+YC(JJM))/Z. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z,*AAAK*TRE\$*DUMI)*(-1,)+BARK 1202 CONTINUE C MAITE(\$,501) 501 FORMAT(H1,20X,'CRITICAL LENGTH FOR DIFFERENT BUCKLING MOG C MAITE(\$,501) FILESS, EQ, 100.) GD TO 1000 C MRITE(\$,502) C MRITE(\$,502) SO3 FORMAT(H1,0'')*SECT. PROPS, IX** FIT-2,' IY** FT,2', IW** FT,2', KT=' I A='FRA, IX** FT, IX** AND IN	1207 11208	1207 IIN=K+0[1]+D[2] 1107 IIN=K+0[1]+D[2] 1108 CONTINE 1208 CONTINE 1208 CONTINE 1207 CONTINE 1207 CONTINE 1207 CONTINE 1207 CONTINE 1207 CONTINE 1207 CONTINE 1208 CONTINE 1208 CONTINE 1208 CONTINE 1208 CONTINE 1208 CONTINE 1208 CONTINE 1209 CONTINE 1200 CONTINE 1201 CONTINE 1201 CONTINE 1201 CONTINE 1202 CONTINE 1202 CONTINE 1203 CONTINE 1203 CONTINE 1204 CONTINE 1205 CONTINE 1206 CONTINE 1206 CONTINE 1207 CONTINE 1208 CONTINE
1301 AL=0.0 1302 CONTINUE 1512AZ-LT-0.)60 BAZ=(-BBZ-SQRT 1ELBZAZ-LT_0.)6 BL=SQRT((-BBZ-S, G) T 507 1303 BL=0. 507 WRITE(6,504)AL, 504 FORRAT(1H0, 'CRI) 11003 L.	1207 GINEK+DI(1)+D(2) 1208 GONTINUE EXEL=(YC(IIN)+XC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. AAAM=(XXEL-XO)*(XXEL-XO)*(YVEL-YO)*(YVEL-YO) 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 GO TO 1000 C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG WRITE (6,501) FISSS-60,100, 60 TO 1000 C PRIATOR I TITLE AND THEN ECHO CHECK DAIA WRITE (6,502) IXBART, IYBART, IW,KT, AREA,F, 6, YD FORMAT(IHO, 'SECT.PROPS.IX='F7.2,' IY='F7.2,' IW='F7.2,' KT=' AA=18A.2, E='EB.1,' G='EB.1,' YD='F5.2,' C COMPUTE CRIT LENGTH CORREGSPONDING TO BUCKLE='F7.2,' FISSS-14.59 LESSOR (ICRE FEET I ENGTH LAT.IORSIDNAL BUCKLE AZ=PRE*PIE*E*IYBART C SOLVE CRIT LENGTH LAT.IORSIDNAL BUCKLE AZ=BRANC*ASTACHANO*CLOAR*VO AAZ=LOADA*CA-ZA*BARK+DZ C SALVE CRIT LENGTH LAT.IORSIDNAL BUCKLE AZ=BRANC*ASTACHANO*CLOAR*VO AAZ=LOADA*CA-ZA*BARK+DZ C SALVE CRIT LENGTH LAT.IORSIDNAL BUCKLE AZ=BRANC*ASTACHANO*CLOAR*VO AAZ=BRANC*ASTACHANO*CLOAR*VO AAZ=COADA*CA-ZA*BARK+DZ C SALVE CRIT LENGTH LAT.IORSIDNAL BUCKLE AZ=BRANC*ASTACHANO*CLOAR*VO AAZ=COADA*CA*CA*BARK+DZ C SALVE CRIT LENGTH LAT.IORSIDNAL BUCKLE AZ=BRANC*ASTACHANO*CLOAR*VO AAZ=COADA*CA*CA*CA*CA*CA*CA*CA*CA*CA*CA*CA*CA*CA	1207 1108	1207 IIN=K+0[1]+D[2] 1107 IIN=K+0[1]+D[2] 1108 CONTINUE XXEL=(XC(IIN)+XC(JJM))/2. XXEL=(XC(IIN)+YC(JJM))/2. XXEL=(XC(IIN)+YC(JJM))/2. XAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(Z-*AAAK*TRES*DUM!)*(-1.)+BARK 1202 CONTINUE C MAIRE (A.*AAAK*TRES*DUM!)*(-1.)+BARK 1202 CONTINUE C PROGRAH LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD FORMATILI1,20X*,CRITICAL LENGTHS AR AS BELOW*////) FORMATILI1,20X*,CRIT.LENGTH SER SECTION*F3.1,4H WRITE (4,502)SSS,LOAD 502 FORMATILH 'CRIT.LENGTH SER SECTION*F3.1,4H "ALTER (A.502)SSS,LOAD 503 FORMATILH 'CRIT.LENGTH CORREOSPONDING TO NUCKLING ART XX XXIS PIE 3.1,4159 C COMPUTE CRIT LENGTH CORREOSPONDING TO NUCKLING ART XX XXIS PIE 3.1,4159 C COMPUTE CRIT LENGTH LAT.TORSIONAL BUCKLE ALERTE (A.503) TO 303 RAZELOAD**ROAD**RAR*AZ*RA ALE PIE FEE IE ** IN BART B = G**KT C C = 1 A A A A A A A A A C C C T A A A A A A A
60 TO 1302 1301 AL=6.0 1302 CONTINUE 15(12A2.LT.0.) 60 BAA=(-BBZ-SQRT 15(13A2.LT.0.) 61 BL=SQRT((-BBZ-SQRT 1303 BL=0. 507 WRITE(6,504) AL; 504 FORMAT(1100, CRI 1110.1 III.	1207 51 D 1208 51 D 1209 5	1207 10.206 1207 10.206 1208 CONTINUE XXEL=(XC(IIN)+XC(JJJN))/2. XYEL=(YC(IIN)+XC(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+DARK 1202 CONTINUE C CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD WRITE (4.501) 501 FORMAT(H1,20X,*CRITICAL LENGTHS ARE AS BELOW*////) IF(SSS.EQ.100.) 60 TO 1000 C PRINT OUT ITILE AND THEN ECHO CHECK DAIA WRITE (4.502)SS.LOAD 502 FORMAT(H1,0XY,*CRIT.LENGTHS FOR SECTION*F3.1,4H ,*AXIAL LOAD- HATTE (4.502)SS.LOAD 503 FORMAT(H1,0XY,*CRIT.LENGTHS FOR SECTION*F3.1,4H ,*AXIAL LOAD- 1.1 AA-YEBA.2, E-E-B.1, G-E-B.1, YD-F.5,2) C COMPUTE CRIT.LENGTH CORREOSPONDING TO BUCKLING ART XX AXIS DISABLE SA.2, E-E-B.1, G-E-B.1, YD-F.5,2) C COMPUTE CRIT.LENGTH LAI-TORSIDNAL BUCKLE C COMPUTE CRIT.LENGTH LAI-TORSIDNAL BUCKLE C COMPUTE CRIT.LENGTH LAI-TORSIDNAL BUCKLE C C COMPUTE CRIT.LENGTH LAI-TORSIDNAL BUCKLE C C COMPUTE CRIT.LENGTH LAI-TORSIDNAL BUCKLE C C C C C C C C C C C C C C C C C C C	1207 IINR*+DI(1)*DI(2) 1208 CONTINU*: 1208 CONTINU*: 1208 CONTINU*: 1208 CONTINU*: 1207 CONTINU*: 1200 CONTINU*: 1201 CONTINU*: 1201 CONTINU*: 1201 CONTINU*: 1201 CONTINU*: 1202 CONTINU*: 1203 CONTINU*: 1204 CONTINU*: 1205 CONTINU*: 1206 CONTINU*: 1206 CONTINU*: 1206 CONTINU*: 1207 CONTINU*: 1208 CONTINU*: 1208 CONTINU*: 1209 CONTINU*: 1200 CONTINU*: 1200 CONTINU*: 1201 CONTINU*: 1201 CONTINU*: 1202 CONTINU*: 1203 CONTINU*: 1204 CONTINU*: 1205 CONTINU*: 1206 CONTINU*: 1206 CONTINU*: 1206 CONTINU*: 1207 CONTINU*: 1208 CONTINU*: 1208 CONTINU*: 1209 CONTINU*: 1200 C
AL = SQRII(- BBZ+5. GO TO 1302 1302 COLTO 1302 1302 COLTINUE 1512AZ.LT.O.) 50 BZAZ.LT.O.) 50 BZAZ.LT.O.) 50 BLSQRI(- BBZ-SQRI 1303 BL-0. 507 WRITE(6,504) AL, 504 FORMAT(1HO, 'CRI 1110X.1	1207 GINEK+DII)+DI2) 1208 GONTINUE 1208 CONTINUE XXEL=(YC(IIN)+XC(JJNI)/2. XYEL=(YC(IIN)+YC(JJNI)/2. XYEL=(YC(IIN)+YC(JJNI)/2. XYEL=(YC(IIN)+YC(JJNI)/2. AAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO) BARK=(Z-XAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 FORMAT (IH), 20X; (ZRITICAL LEHGTHS ARE AS BELOW;///) FIGSS: EQ.100.; 60 TO 1000 C PRINTE (6,501) FIGSS: EQ.100.; 60 TO 1000 C PRINTE (140, 3ECT. PROPS.IX=17.2.*) IY=F7.2.* IH=:F7.2.* IY=F7.2.* IY=IX=IX=IX=IX=IX=IX=IX=IX=IX=IX=IX=IX=IX=	1207 11208 1207 11208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1200 CON	1207 IIN=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1201 (IN)+YC(JJNI)/2. AAAK=(XXEL-X0)+(YYEL-Y0)+(YYEL-Y0) AAAK=(XXEL-X0)+(YYEL-Y0)+(YYEL-Y0)+(YYEL-Y0) BARK=(2.*AAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 TO 1000 1200 TO
F(2ZAZ.LT.0.)6 Al=SARI(L=BRZ+S. GO TO 1302 1301 AL=0.0 1302 CONTINUE F(AZ.LT.0.)60 BZAZ-LT.0.)60 BZAZ-LT.0.16 BL=SQRI((-BBZ-S, GO) TO 507 1303 BL=0. 507 WRITE(6,504)AL, 504 FOR MRITE(6,504)AL, 504 FOR	1207 IIN=K+n(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJNI)/2. XYEL=(YC(IIN)+YC(JJNI)/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO) 1202 CONTINUE 1201 CONTINUE C CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD WRITE(6,501) 501 FORMAT(IH1,20X, "CRITICAL LEHGTHS ARE AS BELOW'///) FRINT CALT TITLE AND THEN ECHD CHECK DATA WRITE (5,502)SS, LOAD 502 FORMAT(IH1, "CRIT,LENGTHS FOR SECTION'F3.1,4H ,"AXIAL LOAD- MRITE (5,502)SS, LOAD 502 FORMAT(IH0, "SECT.PROPS.IX="FT.2," IY="FT.2," IY="FT.	1207 TO 1208 1208 CONTINUE XXEL=(XC(IN)+XC(JJN1)/2. XYEL=(XC(IN)+YC(JJN1)/2. XYEL=(XC(IN)+YC(JJN1)/2. XYEL=(XC(IN)+YC(JJN1)/2. XYEL=(XC(IN)+YC(JJN1)/2. XYEL=(XC(IN)+YC(JJN1)/2. AAAAK=(X*EL-XO)*(XXEL-XO)*(YVEL-YO)*(YYEL-YO) BARK=(X*EL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(X*EL-XO)*(XXEL-XO)*(YIT LENGTH FOR DIFFERENT BUCKLING MDG C PROBATION: IF (SSS. G-100.) GO TO 100. C PRINT OUT TILE AND THEN ECHD CHECK DATA WRITE (5,503) IXBART, IYBART, IW, KT, AREA, F, G, YO FORMAT(IH) 'CRIT LENGTH FOR SECTION*F3.1, 4H '*AXIAL LOAD: ARITE (5,503) IXBART, IYBART, IW, KT, AREA, F, G, YO FORMAT(IH) 'CRIT LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS DIE=3.41,50 C COMPUTE CRIT LENGTH LAI. TORSIONAL BUCKLE*F7.2. SOS FORMAT(IH) 'AX, CRIT.LENGTH A. TORXIX AXIS BUCKLE*F7.2. AZ=PIE*PIE*FIE*FIE* C SOLYE CRIT LENGTH LAI. TORSIONAL BUCKLE AZ=PIE*PIE*FIE*FIW DZ=LOAD*YO#LOAD*YO AZ=LADA*CZ-AZ*BARK-AZ*RA RAZ=LOAD*CZ-AZ*BARK-AZ*RA ZZ=RAZ*BAZ*BRX-AZ*AZ*CAZ*BARK-AZ*RA ZZ=RAZ*BAZ*BRX-AZ*AZ*CAZ*BARK-AZ*RA ZZ=RAZ*BAZ*BRX-AZ*AZ*CAZ*BARK-AZ*RA ZZ=RAZ*BAZ*BRX-AZ*AZ*CAZ*BARK-AZ*CAZ*BARK-AZ*RA ZZ=RAZ*BAZ*BRX-AZ*AZ*CAZ*BARK-AZ*RA ZZ=RAZ*BAZ*BRX-AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*BARK-AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*CAZ*AZ*AZ*AZ*CAZ*AZ*AZ*AZ*AZ*AZ*AZ*AZ*AZ*AZ*AZ*AZ*AZ*A	1207 IN-K-h011)+D(2) 1208 CONTINUE: 1208 CONTINUE: XXEL=(XC(IIN)+XC(JJN1)/2. AAAK=(XXEL-X01)+(YYEL-Y0)+(YYEL-Y0) AAAK=(XXEL-X01)+(YYEL-Y0)+(YYEL-Y0) 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 CONTINUE 1
22AZ=(-BBZ+SQRT 1F(ZZAZ,-LT.o.)G AL=SQRI(L-BBZ+SQRT GO TO 1302 1301 AL=0.0 1302 CONTINUE 15(AZ,-LT.o.)GO BZAZ=(-BBZ-SQRT 16(BZAZ,1LT.o.)GO BLSQRT((-BBZ-SQRT GO TO 507 1303 BL=0. 507 WRITE(6,564)AL, 504 FORMAT(1H0, CRI 11,108.1	1207 II N=K-D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJNI)/2. YYEL=(YC(IIN)+YC(JJNI)/2. YYEL=(XC(IIN)+YC(JJNI)/2. XXEL=(XC(IIN)+YC(JJNI)/2. XXEL=(XC(IIN)+YC(JJNI)/2. AAAR=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) BARK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) BARK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) CONTINUE CONTI	1207 I1208 1207 IIN=X+1(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJNI)/2. XYEL=(XC(IIN)+YC(JJNI)/2. AAAAK+(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2,*AAAAK*TRES*DUH1)*(-1,)+BARK 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 FORMAT(IH, 200, CRIT LENGTH SET AS BELOH'///) 1205 FORMAT(IH, 1CRIT, LENGTH SEN SECTION'F3,1,4H	1207 IIN=K-DIII+D128 1207 IIN=K-DIII+D129 1208 CONTINUE EXEL=(XC(IIN)+XC(JJNI)/2. YYEL=(YC(IIN)+YC(JJNI)/2. YYEL=(YC(IIN)+YC(JJNI)/2. YYEL=(YC(IIN)+YC(JJNI)/2. AAAAK=(XXEL-XO)+(YXEL-XO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PRIGRAH LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG WRITE(6,501) FISSS.EQ.100.) GO TO 1000 C PRIGRAT(1H1.20X, 'CRITICAL LENGTHS ARE AS BELOW'////) IF(SSS.EQ.100.) GO TO 1000 C PRIGRAT(1H1.20X, 'CRITICAL LENGTHS ARE AS BELOW'////) IF(SSS.EQ.100.) GO TO 1000 C PRIGRAT(1H.30X, 'CRIT.LENGTHS FOR SECTION'F3.1,4H ''AXIAL LOAD-HRITE (6,503) IXBART,IYBART,IH,KT,AREA,F.G,YO FORMAT(1H0.)'SECT.PROPS.IX='F7.2,' IY='F7.2,' IW='F7.2,' IW='F7.2,
FICAZ.LT.0.160 ZAZ=(-BBZ+SQRT FICAZ-(T.0.160 AL=SQRT((-BBZ+S-10.160) GO TO 1302 GO TO 1302 GO TO 1302 GO TO 1302 FICAZ.LT.0.160 BZAZ=(-BBZ-SQRT FICAZ.LT.0.160 BZAZ=(-BBZ-SQRT FICAZ-(T.0.160) BZAZ=(-BBZ-SQRT FICAZ-(T.0.160) GO TO 507 GO	1207 GU 1208 1208 CONTINUE XXEL=(XC(IIN)+XC(JJNI)/2. XYEL=(XC(IIN)+YC(JJNI)/2. XYEL=(XC(IIN)+YC(JJNI)/2. AAAAK=(X*EL-XO)*(XXEL-XO)*(YYEL-YO) BARK=(X*EL-XO)*(XXEL-XO)+(YYEL-YO) BARK=(X*EL-XO)*(XXEL-XO)+(YYEL-YO) BARK=(X*EL-XO)*(XXEL-XO)+(YYEL-YO) CONTINUE C	1207 II.08 1208 CONTINUE EXEL=(XC(IIN)+XC(JJN1)/2. YYEL=(XC(IIN)+XC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C WRITE(6.501) 501 FORMAT(IH1,20X, CRITICAL LENGTH FOR DIFFERENT BUCKLING MDG WRITE(6.501) 502 FORMAT(IH1,20X, CRITICAL LENGTHS ARE AS BELOW*////) IF(5SS, eq.100,) 60 T0 1000 C PRIOT DUI TILLE AND THEN ECHO CHECK DATA WRITE (6.502)5SS, LOAD FOR THE (6.502)5SS, LOAD WRITE (6.502)5SS, LOAD FOR THE (6.502) IXBART, IYBART, IW, KT, AREA, F, G, YO 502 FORMAT(IH0, 'SECT PROPS, IX = F7.2, 'IY = F7	1207 IIN=K+D[I]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XYEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=[C.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTI
ZAZ=BBZ*BBZ*4.* IF(ZAZ_LT_0.)GO ZAZ=(-BBZ+5.9RT IF(ZAZ_LT_0.)GO AL=SGRI((-BBZ+5.0RT 1301 AL=0.0 1302 CONTINUE IE(AZ_LT_0.)GO BZAZ=(-BBZ-5.9RT IE(AZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZAZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZAZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZAZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZAZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZZ_LT_0.)GO BZAZ=(-BBZ-5.0RT IE(BZZ_LT_0.)GO BZAZ=(-BBZ-5.0RT III III III III III III III III III II	1207 GD 70 1208 1208 1208 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUHI)*(-1.)+BAPK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1203 CONTINUE 1204 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 FRORMAT(IH),20X, 'CRITICAL LENGTHS ARE AS BELOW'///) 1208 FORMAT(IH),20X, 'CRITICAL LENGTHS ARE AS BELOW'///) 1209 FORMAT(IH),20X, 'CRITICAL LENGTHS ARE AS BELOW'///) 1201 FG SSS.EG.100.) GO TO 1000 1206 C PRINT CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 FORMAT(IH), 'CRITICAL LENGTHS FOR SFCTION'F3.1,4H 1203 FORMAT(IH), 'CRITICAL LENGTHS FOR SFCTION'F3.1,4H 1204 FG SSS.EG.100.) 1206 FORMAT(IH), 'CRITICAL LENGTHS FOR SFCTION'F3.1,4H 1200 FOR FOR FOR SFCTION'F3.1,4H 1200 FOR FOR FOR SFCTION'F3.1,4H 1201 FG SSS.EG.100.) 1201 FG SSSS.EG.100.) 1201 FG SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	1207 I 1208	1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN1)/2. XYEL=(XC(IIN)+YC(JJN1)/2. AAAAK=(XFL-XO)+KYEL-XO)+KYYEL-YO) BARK=(2.*AAAAK*TRES*DUM1)*(-1.)+BARK 1202 CONTINUE 1202 CONTINUE C PROGRAH LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG RRITE(6.501) 501 FORMAT(IH)-XOX, 'CRITICAL LENGTHS ARE AS BELOW'///) IF(SSS.EQ.100.) GO TO 1000 C PRINT DUT IIIE AND THEN ECHO CHECK DATA WRITE (6.501) 502 FORMAT(IH), 'CRIT.LENGTHS FOR SECTION'F3.1,4H 'AXIAL LOADS 503 FORMAT(IH), 'SECT. PROPS.IX='F'.2,' IY='F7.2,' IW='F7.2,' KT=' 1.1. ARTER (5.503) IXBART, IYBART, IW, KT, AREA, F.G.YO 503 FORMAT(IH), 'SECT. PROPS.IX='F7.2,' IY='F7.2,' IW='F7.2,' IY='F7.2,' IY
CC=-1.*(AZ*CZ) ZAZ=BBZ*BBZ-4.* IF(ZAZ-LT-0.160) ZAZ=[-BBZ+5QRT IF(ZZAZ-LT-0.)6 A1=SQRI[(L-BBZ+5) GO TO 1302 1301 AL=0.0 1302 CONTINUE IF(ZAZ-LT-0.)60 BZAZ=[-BBZ-5QRT IE(BZZ-Z) BZAZ=[-BBZ-5QRT IE(BZZ-Z) BZAZ=[-BBZ-5QRT IE(BZZ-Z) BZZ=[-BBZ-5QRT IE(BZZ-Z) BZZ=[-BBZ-5QRT IE(BZZ-Z) IZOZ BZ=0.0 507 WRITE(6.564)AL; 504 FORMAT(1H0, 'CRI IINERAL COMPUTE	1207 IJ 208 1207 IJ 208 1208 CONTINUE XXEL=(XCIIN)+XC(JJN)/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAK=(XKEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(Z.*AAAK*TRES*DUM1)*(-1.)+BAPK 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 IXBART, IYBART, IW, KT, AREA, F, C, YD 1203 CONTINUE 1204 IXBART, IYBART, IW, KT, AREA, F, C, YD 1204 IXBART, IW, RT, AREA, F, C, YD 1204 IXBART, IW, RT, AREA, F, C, YD 1204 IXBART, IW, RT, REA, RT, R,	1207 II N=K-PI(1)+D(2)	1207 IIN=K+D(I)+D(2) 1208 1201 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XYEE=(XC(IIN)+YC(JJN))/2. XAAX=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUH)+(-1.)+BARK 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 CONTI
### ##################################	1207 IS TO	1207 I 1208	1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN1)/2. XYEL=(XC(IIN)+YC(JJN1)/2. AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG WRITE(6,501) 501 FORMAT(IH,120x,'CRITICAL LENGTHS ARE AS BELOW'///) IT (SSS.EQ.100.) GO TO 1000 C PRINT DUI TILE AND THEN ECHO CHECK DATA WRITE (6,502) SSS, LOAD 502 FORMAT(IH, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H ''AXIAL LOAD- MRITE (6,502) SSS, LOAD 503 FORMAT(IH, 'SECT.PROPS.IX=F7.2,' IY='F7.2,' IH='F7.2,' KT=' C COMPUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ART XX AXIS PLE=3.14,59 LX=SQRI(LPIE*PIE*E*IYBART)/LOAD) KRITE(6,505)LX AA=PIE*PIE*E*IYBART BZ=GART CZ=PIE*PIE*E*IWBART BZ=GART CZ=PIE*PIE*E*IWBART BZ=GE*EPIE*PIE*E*IWBART DISTANCE CZ=PIE*PIE*E*IWBART DZ=LOADA*COALDAN*YO DZ=LOADA*CO
######################################	1207 II N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XXEL=(YC(IIN)+YC(JJN))/2. XXEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YEL-YO)+(YEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YEL-YO)+(YEL-YO) BARK=(XXEL-XO)+(XXEL-XO) SOI FORMAT(IH),20X,'CRITICAL LENGTHS ARE AS BELOW'///) FOR SECTION TOUT IIILE AND THEN ECHO CHECK DATA WRITE (5,502)SSS,LOAD SOE FORMAT(IH),'CRIT-LENGTHS FOR SECTION'F3-1,4H 'AXIAL LOAD-III A= FRA.2.' E= FRA.1.''YN=FF.2.' IN='F7.2.' IN='F7.2.' KT=' COMPUTE CRIT LENGTH CORREOSPONDING TO BUCKLE='F7.2, KT=' COMPUTE CRIT LENGTH LAI.''ON='F5.2' KRITE(6,505)LX SOS FORMAT(IH),10X,'CRIT-LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) COMPUTE CRIT LENGTH LAI.TORSIDNAL BUCKLE REPLEE*ELYBART BZ-G*KT CZ=PIE*PRE*EFINA CZ=PIE*PRE*CFINA CZ=PIE*PRE*CFINA CZ=PIE*PRE*CFINA CZ=PIE*PRE*CFINA CZ=PIE*PRE*CFINA CZ=PIE*PRE*CFINA CZ=	1207 11N=K-PL 1-D(2)	1207 IIN=K+D(I)+D(2) 1208 1201 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z.*AAAK*TRES*DUH])*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 CONT
AAZ-LOAD#82+LOA BRZ-LOAD#62-LOAZ CC=-1.* (AZ-CZ) ZAZ-BRZ*8RZ-4,* IF (ZAZ,LT.0.)60 ZAZ-(-BRZ*9RZ-4)60 ZAZ-(-BRZ*9RZ-1C.0.)6 AL=SARI(L-BRZ*9RZ-1C.0.)6 AL=SARI(L-BRZ*9RZ-1C.0.)60 BZAZ-(-BRZ*SRZ-1C.0.)60 BZAZ-(-BRZ*SRZ-1C.0.)60 BZAZ-(-BRZ*SRZ-1C.0.)60 BZAZ-(-BRZ*SRZ-1C.0.)60 BZAZ-(-BRZ*SRZ-1C.0.)60 BZAZ-(-BRZ*SRZ-1C.0.)60 BZ-SRZ-(-B	1207 IN-EK-D(1)+D(2) 1208 GONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 GONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209	1207 I 1208	1207 IIN=K+D(I)+D(2) 11N=K+D(I)+D(2) 11N=K+D(I)+D(2) 11N=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 FORMAT(IH, 'CRITICAL LENGTHS ARE AS BELOW'///) 16 SSS.E6.100.) GO 1000 RRITE (6,501) 501 FORMAT(IH, 'CRITILENGTHS FOR SECTION'F3.1,4H ,'AXIAL LOAD- 11. A='EB.Z.' : E='FB.L.' G='EB.L.' YND='FF.Z.' IY='FT.Z.' IW='FT.Z.' KT=' 11. A='EB.Z.' : E='FB.L.' G='EB.L.' YND='FF.Z.' IY='FT.Z.' IW='FT.Z.' KT=' 11. A='EB.Z.' : E='FB.L.' G='EB.L.' YND='FF.Z.' IW='FT.Z.' KT=' 12. AZ-RRIT(IH, 'OX, 'CRITILENGTH W.R. TO X/X AXIS BUCKLE='FT.Z.) 12. AZ-RIE*PIE*E*IYBART 13. AZ-PIE*PIE*E*IYBART 14. AZ-PIE*PIE*E*IYBART 14. AZ-PIE*PIE*E*IYBART 15. AZ-PIE*PIE*E*IYBART 16. AZ-PIE*PIE*E*IYBART 17. AZ-PIE*PIE*E*IYBART 18. AZ-PIE*PIE*E*IYBART 18. AZ-PIE*PIE*PIE*E*IYBART 19. AZ-PIE*PIE*PIE*E*IYBART 19. AZ-PIE*PIE*PIE*E*IXBART 19. AZ-PIE*PIE*PIE*PIE*PIE*PIE*PIE*PIE*PIE*PIE*
DZ=LOAD*PQ+LOAD AAZ=LOAD*PQ+LOAD BAZ=LOAD*PQ+LOAD CC=1.*(AZ*CZ) ZAZ=BBZ*BBZ-4.* IF(ZAZ*LT.0.)6G ZAZ=(-BBZ+SQRI ISOI AL=0.0 ISOI	1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. RAAAK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO) BARK=(Z-XO)+(YNE)+(Z-YO)+(YNE)+(Z-YO) YRITE(6,501) SOIF FORMAT(IH, YCRITLENGTHS FOR SFCTION'F3.1,4H	1207 I 1208	1207 IIN=K+D(I)+D(2) 1208 1201 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. I DO CONTINUE RARK=(2.*AAAK*TRES*DUM1)*(-1.)+BARK I DO CONTINUE RRITE(6.501) SO FORMAT(IH1,20X, 'CRITCAL LENGTH FOR DIFFERENT BUCKLING MDI I DO RINT (A.502)SSS, LOAD SO FORMAT(IH0, 'SECT.PROPS, IX=F7.2, 'IY='F7.2, 'IH='F7.2, 'KT='COMPUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS I A='F8.2,' E='F8.1,' G='F8.1,' Yn='F5.2,' IM='F7.2,' KT='COMPUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS D I E= 3.14159 LX=SQRX(RIEF=**IXBART)LOAD) WRITE(6.501) SO FORMAT(IH , 10X, 'CRIT.LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) C SOLVE CRIT LENGTH LAI.TORSIONAL BUCKLE SOLVE CRIT LENGTH LENGTH LAI.TORSIONAL BUCKLE SOLVE CRIT LENGTH LAI.TORSIONAL BUCKLE
CZ=PIE*PIE*FI*IN 72=LCAD*YO*UADA AAZ=LCADA*QUALUADA ABZ=LCADA*CZ=AZ* CC=-1,*(AZ*CZ) ZAZ=BZ*BZ*BZ*-4,* IF(ZZAZ,LT*0,160 ZAZ=CAZ,LT*0,160 ZAZ=BZ*CZ] 1301 AL=0,0 1302 CONTNUE IF(ZZZ,LT*0,160 BZAZ=(-BBZ*SQRT IF(ZZZ,LT*0,160 BZAZ=(-BBZ*SQRT IE(AZZ,LT*0,160 BZAZ=(-BBZ*SQRT III) III) III) PROFRAM COMPUTE	1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+XC(JJN))/2. AAAAK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO)+(YVEL-YO) RATE (6,501) SOI FORMAT(1H1,20X+'CRITCAL LENGTH SARE AS BELOW+////) IF (SSS.EQ.100.) GO TO 1000 C PRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (6,502)SSS,LOAD SOI FORMAT(1H1, 'CRITLENGTHS FOR SECTION*F3.1,4H1 'AXIAL LOAD- ARTIE (6,503) IXBART; IYBART; IWKT,AREA,F,C,YO C COMPUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS PIE=3.4159 C COMPUTE CRIT LENGTH LAT.LOAD! RRITE(6,505)LX SOS FORMAT(1H1,1AT.LORSIONAL BUCKLE AZ-PIE*PLE*E*IYBART AZ-PIE*PLE*E*IXBART AZ-PIE*PLE*E*IXBART AZ-PIE*PLE*E*IXBART AZ-PIE*PLE*E*IXBART AZ-PIE*PLE*E*IXBART AZ-PIE*PLE*E*IXBART AZ-PIE*	1207 I N=K-Ph(1)+D(2)	1207 IIN=K+D(I)+D(2) 1208 1201 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN1)/2. XXEL=(XC(IIN)+YC(JJN1)/2. AAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z.*AAAK*TRES*DUH1)*(-1.)+BARK 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 CONTI
BZ=62*FI DZ=PIE*PIE*E*IN DZ=LOAD*YO*LOAD AAZ=LOAD*YO*LOAD AAZ=LOAD*YCZ-AZ* CC=-1.*(AZ*CZ-AZ* ZAZ=BBZ*BZ-4.* IF(ZAZ*LT-0.)6D ZAZ=(-BBZ*SQRT IF(ZAZ*LT-0.)6D AI=SQRI(I-BBZ*SQRT IF(ZAZ*LT-0.)6D AI=SQRI(I-BBZ*SQRT IF(ZAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(ZAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(ZAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(AZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(AZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D BAZ=1-BBZ-SQRT IF(BAZ*LT-0.)6D IF(BAZ*LT-0	1207 GD TO 1208 1208 GONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) RAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) RAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) RAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO)+(YYEL-YO) RAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL	1207 I N=K-PD(1)+D(2)	1207 IIN=K+D(I)+D(2) 1208 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN1)/2. XXEL=(XC(IIN)+YC(JJN1)/2. AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG WRITE(6,501) 501 FORMAT(IH).20x, 'CRITICAL LENGTHS ARE AS BELOW'///) IT(SSS.EQ.100x) GO TO 1000 C PRINT DUI TILE AND THEN ECHO CHECK DATA WRITE (4,502)SSS,LOAD 502 FORMAT(IH), 'CRIT.LENGTHS FOR SFCTION'F3.1,4H WRITE (5,503) IXBART, IYBART, IW,KT,AREA,F,C,YO 503 FORMAT(IH), 'SECT.PROPS.IX=F7.2,' IY='F7.2,' IH='F7.2,' KT=' C COMPUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS PIE=3.14,59 LX=SQRI([PIE*PIE#E*IXBART)/LOAD) KRITE(6,505)LX C SORVET LENGTH LAI.TORS.DOAD BUCKLE SOLVE CRIT LENGTH LAI.TORS.DOAD BUCKLE
AZ=F1E*P1E*E=*1Y BZ=C=*KT BZ=C=*KT DA=*CDA*YO**LOAD AAZ=LOAD**CA*LOAD AAZ=LOAD**CZ=*LOA AAZ=LOAD**CZ=*LOA AAZ=LOAD**CZ=*LOA BAZ=*CA*CZ=*CZ=*CZ=*CZ=*CZ=*CZ=*CZ=*CZ=*CZ=*CZ=	1207 II 1208 1207 II 1208 1208 II 1208 1208 CONTINUE XXEL=(X(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUMI)*(-1.)+BAPK 1202 CONTINUE 1201 CONTINUE 120	1207 11N=K-Ph(1)+D(2)	1207 IIN=K+D(1)+D(2) 1208 1201 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAK*TRES*DUH)*(-1.)+BARK 1202 CONTINUE RAGE(5.501) SOI FORMAT(111,20X,'CRITCAL LENGTH FOR DIFFERENT BUCKLING MDI NRITE(6.501) SOI FORMAT(111,20X,'CRITCAL LENGTHS ARE AS BELOW'////) FISSS.SO1.00. GO TO 1000 C PRINT OUT TITLE AND THEN ECHO CHECK DATA RRITE (5.503) IXBART, IYBART, IW, KT, AREA, F.G., YD SOI FORMAT(110, 'SECT. PROPS. IX = 'F7.2,' IY = 'F7.2,'
A2=P1E*P1E*E*IV B2=G*KT C2=P1E*P1E*E*IV D7=LCDA*P4G*LOAD D7=LCDA*P4G*LOAD D7=LCDA*P4G*LOAD D7=LCDA*P4G*LOAD D7=LCDAP*C1*CD*D4G*CA*DAP D7=LCDAP*C1*DAP D7=LCDAP*C1*DAP D7=LCDAP*C1*DAP D7=LCDAP*C1*DAP D7=LCAP*C1*D	1207 GU TO 1208 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+XC(JJN))/2. AAAAK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YVEL-YO) BARK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) BARK=(XXEL-XO)+(YVEL-YO)+(YVEL-YO) FOR MATICAL (S. 501) CONPUTE (S. 502) IXBART; IYBART; IW, KT, AREA, E, S, YO FOR MATICAL (S. 502) IXBART; IYBART; IW, KT, AREA, E, S, YO SO3 FORMAT(IH, 'CRIT-LENGTHS FOR SFCTION'F3.1, 4H ''AXIAL LOAD- MATICAL (S. 503) IXBART; IYBART; IW, KT, AREA, E, S, YO SO3 FORMAT(IHO, 'SECT. PROPS. IX = F7.2., 'IY='F7.2.' 'IW='F7.2.' 'IW='F7.2.' 'KT=' COMPUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS PIE=3.14159 WRITE(S. 505)LX WRITE(S. 505)LX	1207 IN=K-Ph(1)+D(2)	1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XYEE=(XC(IIN)+YC(JJN))/2. AAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z.*AAAK*TRES*DUH)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1209 FORMAT(IH, 20x, 7CRITICAL LENGTH FOR DIFFERENT BUCKLING MOD RRITE (5,502)SSS,LOAD 502 FORMAT(IH, 20x, 7CRITICAL LENGTHS FOR SFCTION*F3.1,4H 11. A=1E8.2,1 E=1E8.1,1 G=1E8.1,1 YP=F7.2,1 IN=F7.2,1 IN=F
505 FORBAT(111 - 10X, AL = 11E * P1 EE * P1 EE * ET EE EE * F1 EE * EI EE * F1 EE * EI EE * E	1207 ID 1208 1207 ID 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1207 CONTINUE 1207 CONTINUE 1207 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1206 CONTINUE 1206 CONTINUE 1208	1207 IN=K-PD(1)+D(2)	1207 IIN=K+D(1)+D(2) 1208 1201 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. I ON TINUE RAAAK*TES*DUM1)*(-1.)+BARK 1202 CONTINUE C PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG RRITE(6,501) 501 FORMAT(1H1,20x, 'CRITICAL LENGTHS ARE AS BELOW*///) FORSESSEQ.100.) 60 TO 1000 C PRINT DUL TILLE AND THEN ECHO CHECK DATA WRITE (5,502)SSS, LOAD SOZ FORMAT(1H1, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H1, 'AXIAL LOAD-WRITE (5,503) IXBART, IYBART, WKT,AREA,E,G,YO 503 FORMAT(1H0,'SECT.PROPS.IX='F7.2,' IY='F7.2,' IW='F7.2,' IN='F7.2,' IN='F
505 FORMAT(1H + 10X, C SDLVE CRIT 1ENG AZ=PIE*PIE*E*IY BZ=6*KI BZ=0+E*IV BZ=6*KI DX=LOAD*Y0*UAD AZ=1CAD*X0*LAZ=1 AZ=1CAD*X0*LAZ=1 AZ=1CAD*X0*LAZ=1 AZ=1CAD*X0*LAZ=1 AZ=1CAD*X0*LAZ=1 AZ=1CAD*X0*LAZ=1 AZ=1CAD*X0*LAZ=1 AZ=1CAD*X0*LAZ=1 AZ=1CAZ=1 AZ=	1207 GN 1208 1207 GN 1208 1208 CNTINUE XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XC(IIN)+XC(JJN1)/2. AAAAK=(XXEL-XO)+(XXEL-YO)+(YYEL-YO) BARK=(Z-XAAAK*TRES*DUH1)*(-1.)+BARK 1202 CNTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CNTINUE 1201 CNTINUE 1201 CNTINUE 1201 CNTINUE 1201 CNTINUE 1201 CNTINUE 1202 CNTINUE 1201 CNTINUE 1203 CNTINUE 1204 CNTINUE 1205 CNTINUE 1206 CNTINUE 1206 CNTINUE 1206 CNTINUE 1207 CNTINUE 1208 CRIT LENGTH FOR DIFFERENT BUCKLING MOU RRITE (4.502) SSS, LOAD 502 FORMAT(IH, 'CRIT,LENGTHS FOR SFCTION'F3.1,4H ''AXIAL LOAD- 11. A=:F8.2.** F=:F8.1.** GPT-2.** IW=:F7.2.** IW=:F7.2.*	1207 II N=K-Ph(I)+D(2)	1207 IIN=K+D(I)+D(2) 1208 1201 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. AAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z.*AAAK*TRES*DUH))*(-1.)+BARK 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1209 CONTINUE 1200 CONTI
WRITE(6,505)LX SOF FORMAT(1H,10x) C SULYE CRIT LENG AZ=17E *P IE *E * IT CZ=PIE*P IE *E * IT CZ=PIE*P IE *E * IT CZ=PIE*P IE * IT C	1207 GI TO TENEN TO TENEN THE STATE OF THE STAT	1207 IN=K-PI(1)+D(2)	1207 IIN=K+D(1)+D(2) 1208 1201 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. IZOZ CONTINUE IZOZ CONTINUE IZOZ CONTINUE C PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG WRITE(6,501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW*///) FFSS.EQ.100.) 60 TO 1000 C PRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (5,502)SSS,LOAD 502 FORMAT(1H1,'CRIT.LENGTHS FOR SFCTION'F3.1,4H1,'AXIAL LOAD: WRITE (5,503) IXBART.IYBART.IWBART.
LX=SQRI([DIE*PI MRITE(6,505)LX 505 FORMAT(1H + 10X) C SOLVE CRIT LENG AZ=PIE*PIE*E=*IV BZ=C+KT CZ=PIE*PIE*E=*IV DZ=LOAD*YO*LOAD AAZ=LOAD*YO*LOAD AAZ=LOAD*Z-ATO*O*O IZAZ=(-BBZ+SQRI IF(ZAZ-LTO*O*O IZAZ=(-BBZ+SQRI IF(ZAZ-LTO*O*O IZAZ=(-BBZ+SQRI IF(ZAZ-LTO*O*O IZAZ=(-BBZ-SQRI IF(ZAZ-LTO*O*O IZAZ=(-BBZ-SQRI IF(ZAZ-LTO*O*O IZAZ=(-BBZ-SQRI IF(ZAZ-LTO*O*O IZAZ=(-BBZ-SQRI IF(ZAZ-LTO*O*O IZAZ=(-BBZ-SQRI IF(ZAZ-LTO*O*O*O IZAZ=(-BBZ-SQRI IF(ZAZ-LTO*O*O*O IZAZ=(-BBZ-SQRI IF(ZAZ-LTO*O*O*O*O*O*O*O*O*O*O*O*O*O*O*O*O*O*O*	1207 II N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(XXEL=XO)+(YYEL-YO)+(YYEL-YO) BARAK=(Z.*AAAK*TRES*DUM1)*(-1.)+BAPK 1202 CDNTINUE 1201 CONTINUE C PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG WRITE(6,501) 501 FORMAT(1H, 20x, "CRITICAL LENGTHS ARE AS BELOW*///) IF(SS.S-G0.100.) GO TO 1000 C PRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (5,502)SSS, LOAD FORMAT(1H, "CRIT.LENGTHS FOR SECTION*F3.1,4H "AXIAL LOAD-IN-MATICHO," SECT.PROPS.IX="F7.2," KT="IN-F7.2," KT="IN-F7.2," KT="IN-F7.2," KT="IN-F7.2," IN-F7.2," KT="IN-F7.2," IN-F7.2," KT="IN-F7.2," IN-F7.2," IN-F7.2," KT="IN-F7.2," IN-F7.2,"	1207 11N=KNF(1)+D(2)	1207 IIN=K+D(1)+D(2) 1208 1201 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN1)/2. XYEL=(XC(IIN)+YC(JJN1)/2. XYEL=(XC(IIN)+YC(JJN1)/2. AAAR=(XXEL-XO)*(XXEL-XO)*(YVEL-YO)*(YVEL-YO) BARK=(Z.*AAAR*TRES*DUH1)*(-1.)+BARK 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 120
PIE=3.14159 LX=SQRT (LPIE*PIE MRITE (6,505)LX SOLVE CRIT 1.ENG AZ=PIE*PIE*E*IV BZ=6*KT CZ=FIE*PIE*E*IV DZ=COAP*CZ-0AP AZZ=CAAP*CZ-1AP CZ=FIE*PIE*E*IV DZ=COAP*CZ-1AP CZ=FIE*PIE*E*IV DZ=CAZZ-1AP CZ=FIE*PIE*E*IV DZ=CAZZ-1AP CZ=FIE*PIE*E*IV DZ=CAZZ-1AP CZ=FIE*PIE*E*IV DZ=CAZZ-1AP CZ=FIE*PIE*E*IV DZ=CAZZ-1AP CZ=FIE*PIE*E*IV DZ=CAZZ-1AP CZ=CAZZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ-1AP CZ=CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ-1AP CZ=CZ	1207 GD 1208 1207 GD 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209	1207 IN=K-PD(1)+D(2)	1207 IIN=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 1208 CONTINUE 1207 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1200 CONTINUE 1200 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 PROBENT CONTINUE 1208 PROBENT CONTINUE 1209 CONTINUE
CONTOUT CATTOUT CATTOU	1207 II 1208 1207 II 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209	1207 11N=K+D(1)+D(2)	1207 IIN=K+D(1)+D(2) 1208 1201 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAK*TRES*DUH]*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCEIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD RITE(6,501) 501 FORMAT(111,20X,'CRITICAL LENGTHS ARE AS BELOW'///) IF(SSS.GQ.10O) GO TO 10OO C PRINT OUT TITLE AND THEN ECHO CHECK DATA HRITE (5,502)SSS,LOAD 502 FORMAT(1H,'CRIT.LENGTHS FOR SECTION'F3.1,4H ,'AXIAL LOAD- 11. WRITE (5,503) IXBART,IYBART,IW,KT,AREA,F,C,YO FORMAT(1HO,'SECT.PROPS.IX=F7.2,'IFF7.2,'IH='F7.2,'KT='
C COMPUTE CRIT LE LX=SQRI (IPIE*P) WRITE(6,505)LX SOLVE CRIT IENG ADDIE CRIT IENG BAZ= (-BBZ-SQRI ADDIE CRIT IENG ADDI	1207 II N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XC(IIN)+XC(JJN1)/2. AAAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUH1)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD WRITE(6.501) 501 FORMAT(IH1,20X, "CRITICAL LENGTHS ARE AS BELOW"///) IF(SSS.EQ.100.) GO TO 1000 C PRINT DUT IIIE AND THEN ECHO CHECK DAIA WRITE (6,502)SSS,LOAD 502 FORMAT(IH, "CRIT.LENGTHS FOR SECTION*F3.1,4H "AXIAL LOAD- 1) WRITE (6,502)SSS,LOAD 503 FORMAT(IH0, "CRIT.LENGTHS FOR SECTION*F3.1,4H "AXIAL LOAD- 11 TO	1207 I N=K-PL J=D B 1208 CONTINUE	1207 IIN=K+D(1)+D(2) 1208 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN1)/2. XXEL=(XC(IIN)+YC(JJN1)/2. AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 FORMAT (1H, 1, 20x, 1, CRITICAL LENGTHS ARE AS BELOW'///) 17 FSSS=(0.100.) GO TO 1000 18 FORMAT (1H, 1, 20x, 1
C COMPUTE CRIT LENGTH CORREDSPONDING TO BUCKLING ARI XX AXIS PIE=3.419.6	1207 TO 1208 1207 TO 1208 1208 CONTINE 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSS.EQ.100.) GO TO 1000 C PRINT CALL AND THEN ECHO CHECK DATA WRITE (6,502)SSS3.LOAD 502 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H MRITE (6,502)SSS3.LOAD 11 NRATTE (6,503) IXBART, IYBART, 1H4,KT, AREA, F, G, YO WRITE (6,503) IXBART, IYBART, 1H4,KT, AREA, F, G, YO	1207 1208 1207 1208 1207 110=K+D(1)+D(2) 110=K+D(1)+D(2) 110=K+D(1)+D(2) 110=K+D(1)+D(2) 110=K+D(1)+D(2) 1208 CONTINUS 1202 CONTINUS 1202 CONTINUS 1202 CONTINUS 1201 CONTINUS 1202 CONTINUS 1201 CONTINUS 1201 CONTINUS 1201 CONTINUS 1202 CONT	1207 IIN=K+D(1)+D(2) 1JM=IN+1. 1208 CONTINU= XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. XYEL=(XC(IIN)+YC(JJN))/2. AAAK=(Z.*AAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(IH,20X,*CRITICAL LENGTHS ARE AS BELOW*// IF(1SS.=Eq.100.) 60 TO 1000 C PRINT OUT TILLE AND THEN ECHO CHECK DATA WRITE (6,502)SSS,LOAD 502 FORMAT(IH, 'CRIT,LENGTHS FOR SFCTION*F3.1,4H MRITE (6,503) IXBART, IYBART, 1W+KT, AREA, F, G, YO WRITE (6,503) IXBART, IYBART, 1W+KT, AREA, F, G, YO
AAAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUH1)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,'CRITICAL LENGTHS ARE AS BELOW'// IF (SSS.=Q.100.) 60 TO 1000 PRINT (6.502) SSS,LOAD WRITE (6.502) SSS,LOAD 502 FORMAT(1H ,'CRIT,LENGTHS FOR SFCTION*F3.1,4H WRITE (5.503) IXBART,IYBART,IW,KT,AREA,F.6,YO | JJN=IIN+1 60 T0 1208 IIN=KP(I)+b(2) JJN=IIN+1. CONTINUE XXEL=XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XXEL=XC(IIN)+YC(JJN))/2. XYEL=XC(IIN)+YC(JJN))/2. XYEL=XC(IIN)+YC(JJN))/2. XYEL=XC(IIN)+YC(JJN))/2. XYEL=XC(IIN)+YC(JJN))/2. XYEL=XC(IIN)+YC(JJN))/2. XYEL=XC(IIN)+YC(JJN))/2. CONTINUE ROGRAM*TE S*DUM**(TERENT MRITE (S*DUM**)/ IF (SS*S*DUM**) TILLE AND THEN ECHO CHECK DATA WRITE (S*DOM**)/ IF (SS*S*DUM**) TILLE AND THEN ECHO CHECK DATA WRITE (S*S*S*LOAD WRITE (S*S*S*LOAD WRITE (S*S*S*S*LOAD WRITE (S*S*S*S*LOAD WRITE (S*S*S*S*LOAD WRITE (S*S*S*S*LOAD WRITE (S*S*S*S*LOAD WRITE (S*S*S*S*S*LOAD WRITE (S*S*S*S*S*LOAD WRITE (S*S*S*S*S*S*S*S*S*S*S*S*S*S*S*S*S*S*S* | JUN=IIN+1 GO TO 1208 GO TO 1208 LOD IIN=IX+D(1)+D(2) JUN=IX+D(1)+D(2) JUN=IX+D(1)+D(2) XYEL=(XC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) RAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) RAAAK=(XXEL-XO)*(XEL-XO)*(YYEL-YO)*(YYEL-YO) FORMAT(IN)UE FORMAT(IN)UE FORMAT(IN)UE WRITE (5,501) 501 FORMAT(IN)UE WRITE (5,502) SO2 FORMAT(IN)UENGTHS FOR SFCTION*F3.1,4H WRITE (5,503) IXBART,IYBARY,IW,KT,AREA,F.6,YO) WRITE (5,503) IXBART,IYBARY,IW,KT,AREA,F.6,YO) | JUN=IIN+1 GG TO 1208 GO TO 1208 1207 IIN=+NCI +D(1) 1208 CONTINUE XXE = (XCIIIN) + XC(JJNI) / 2. YYE = (XCIIIN) + YC(JJNI) + YC(JJNI) / 4. YYE = (XCIIIN) + YC(JJNI) / 3. YYE = (XCIIIN) + YC(JJNI) / 4. WRITE (5,502) IXBART, IYBART, IW, KT, AREA, F. 6, YD WRITE (5,503) IXBART, IYBART, IW, KT, AREA, F. 6, YD | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JJM=X+D(1)+D(2) JJM=X+D(1)+D(2) JJM=X+D(1)+D(2) ZXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(X*KL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(Z**AAAAK*TRES*DUH1)*(-1.)+BARK 1202 CDNTINUE 1201 CDNTINUE PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(1H,20X,'CRITICAL LENGTHS ARE AS BELOW'// FI (SSS.=Q-100*) 60 TO 1000 PRINT OUT IIINE AND THEN ECHO CHECK DATA WRITE (5,502) SSS,LO30 502 FORMAT(1H,'CRIT,LENGTHS FOR SFCTION*F3.1,4H WRITE (5,503) IXBART,!YBART,IW,KT,AREA*F,6,YO
 | JUN=IIN+1 GO TO 1208 GO TO 1208 LOO TIN=IX+D(1)+D(2) LUM=IX+D(1)+D(2) LUM=IX+D(1)+D(2) LUM=IX+D(1)+D(2) TYEL=(TC(IIN)+YC(JJN))/2. TYEL=(TC(IIN)+YC(JJN))/2. AAAAK=(TXEL-XO)*(TXEL-XO)*(TYEL-YO)*(TYEL-YO) BARK=(TXEL-XO)*(TXEL-XO)*(TYEL-YO)*(TYEL-YO) FOOTINUE ROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) FOOTING FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// IF (SSS-EQ-100*) GO TO 1000 PRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (5,502) SSS,LOOD 502 FORMAT(1H ,*CRIT,LENGTHS FOR SFCTION*F3.1,4H WRITE (5,503) IXBART,IYBART,IW*KT,AREA*F6,6,YO | JJN=IIN+1 60 T0 1208 1207 IIN=K+D1012 11N=K+D1012 11N=K+D1012 1208 CONTINU- XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINU- C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSS-EQ.100.) GO TO 10CO C PRINT CULT IIILE AND IHEN ECHO CHECK DATA WRITE (6.502)SSS.1.0AD 502 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H HATTE (5.502)SSS.1.0AD SO2 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H WRITE (5.503) IXBART, IYBART, 1W#KT, AREA*F.6,9YD | JJN=IIN+1 60 T0 1208 1207 IIN=K+D1012 11N=K+D1012 11N=K+D1012 1208 CONTINU- XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINU- C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSS-EQ.100.) GO TO 10CO C PRINT CULT IIILE AND IHEN ECHO CHECK DATA WRITE (6.502)SSS.1.OAD 502 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H HATTE (5.502)SSS.1.OAD 11 NRITE (5.503) IXBART, IYBART, 1H4,KT, AREA*F.6, YO WRITE (6.503) IXBART, IYBART, 1H4,KT, AREA*F.6, YO | JJN=IIN+1 60 T0 1208 1207 IIN=KPI 10 110 110 110 110 110 110 110 110 110 | JJN=IIN+1 60 T0 1208 1207 IIN=K+0110+0[2] 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUM1)*(-1.)+BARK 1202 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SS.EQ.100.) 60 T0 1000 C PRINT CHI ILE AND THEN ECHO CHECK DATA WRITE (6,502)SSS3,LOAD 502 FORMAT(1H ,'CRIT,LENGTHS FOR SECTION*F3.1,4H MRITE (6,502)SSS3,LOAD 502 FORMAT(1H ,'CRIT,LENGTHS FOR SECTION*F3.1,4H WRITE (6,503) IXBART,IYBART,1W+KT,AREA,F,6,YO
 | JJN=IIN+1 GD TO 1208 1207 IIN=KD1(1)+D(2) JJN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSS.EQ.100.) GO TO 1000 C PRINT CALL AND THEN ECHO CHECK DATA WRITE (6.502)SSS3.LOAD 502 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H HARTE (5.503) IXBART, IYBART, 1H4,KT,AREA,F,G,YO | JJN=IIN+1 60 T0 1208 1207 IIN=K+0110+0[2] 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. YYEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUM1)*(-1.)+BARK 1202 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SS.EQ.100.) 60 T0 1000 C PRINT CHI ILE AND THEN ECHO CHECK DATA WRITE (6,502)SSS3,LOAD 502 FORMAT(1H ,'CRIT,LENGTHS FOR SECTION*F3.1,4H MRITE (6,502)SSS3,LOAD 502 FORMAT(1H ,'CRIT,LENGTHS FOR SECTION*F3.1,4H WRITE (6,503) IXBART,IYBART,1W+KT,AREA,F,6,YO | JJN=IIN+1 60 T0 1208 1207 IIN=KPI 10 110 110 110 110 110 110 110 110 110 | JON=IIN+1 GO TO 1208 GO TO 1208 ILOOT IIN=KPOI1+DI(1) LAM=IIN+1. ILOO CONTINUE AAAAK=(XXEL-XO)*((XEL-XO)*(YEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK ILOO CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSS-EQ.100.) GO TO 1000 C PRINT CALILLE AND THEN ECHN CHECK DATA WRITE (6,502)SSS,LOAD 502 FORMAT(1H ,'CRIT,LENGTHS FOR SFCTION*F3.1,4H HITE (5,502)SSS,LOAD WRITE (6,503) IXBART,IYBART,1W+KT,AREA,F,G,YO | JUNEIN+1 JUNEIN+1 1207 11N=K+D(1)+D(2) LINE-KIN+1. 1208 CONTINUE XXEL=(YC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(YXEL-YO)+(YYEL-YO) BARK=(XXEL-XO)+(XXEL-YO)+(YYEL-YO) AAAAK=(XXEL-XO)+(XXEL-YO)+(YYEL-YO) BARK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) TOO CONTINUE LOO CONTINUE RRITE(6,501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSS-EQ-NO-) GO TO 1000 C PRINT OUT TILE AND THEN ECHO CHECK DATA WRITE (6,502)SSS,LOAD 502 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H HRITE (6,503) IXBART,IYBART,1W+KT,AREA,F,6,YO WRITE (6,503) IXBART,IYBART,1W+KT,AREA,F,6,YO
 | JOY 11N=K+D(1)+D(2) JUM=11N+1. 1208 CONTINU= XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(Z.*AAAAK*TRES*DUM1)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(1H,20X,*CRITICAL LENGTHS ARE AS BELOW*// IF(SS.=Eq.100.) 60 TO 1000 C PRINT OUT TILL AND THEN ECHO CHECK DATA WRITE (6,502)SSS,LOAD 502 FORMAT(1H, 'CRIT,LENGTHS FOR SFCTION*F3.1,4H HRITE (6,503) IXBART, IYBART, 1W+KT, AREA, F, G, YO WRITE (6,503) IXBART, IYBART, 1W+KT, AREA, F, G, YO | 1207 11.04
 1207 11.04
 1208 1208 1208 1208 1208 1208 1209 1208 | 1207 1208 1207 1208 1207 110=K+D(1)+D(2) 110=K+D(1)+D(2) 110=K+D(1)+D(2) 110=K+D(1)+D(2) 110=K+D(1)+D(2) 1208 CONTINUS 1202 CONTINUS 1202 CONTINUS 1202 CONTINUS 1201 CONTINUS 1202 CONTINUS 1201 CONTINUS 1201 CONTINUS 1201 CONTINUS 1202 CONT | GO TO 1208 1207 IINAK+D(1)+D(2) 11NAK+D(1)+D(2) 11NAK+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN1)/2. XYEL=(XC(IIN)+YC(JJN1)/2. XYEL=(XC(IIN)+YC(JJN1)/2. AAAAAK (XEL-XO) + (XYEL-YO) + (YYEL-YO) BARK=(2.*AAAAK*TRES*DUM1)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(1H,20X,*CRITICAL LENGTHS ARE AS BELOW*// FF(5SS-60-100-) GO TO 1000 C PRINT OUT TITLE AND THEN ECHD CHECK DATA WRITE (6,502)SSS,LOAD 502 FORMAT(1H, 'CRIT*LENGTHS FOR SFCTION*F3.1,4H MRITE (6,503) IXBART, IYBART, 1WARXT, AREA, E, G, YO WRITE (6,503) IXBART, 1YBART, 1WARXT, AREA, E, G, YO | GO TO 1208 1207 IIN=K+D(1)+D(2) 1JM=IIN+II. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IFSS.EQ.100.) GO TO 10CO C PRINT OUT IIILE AND THEN ECHO CHECK DATA WRITE (5.502)SS.S.LOOD 502 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H HATTE (5.503) IXBART, IYBART, 1W+KT, AREA, F. G, YO WRITE (5.503) IXBART, IYBART, 1W+KT, AREA, F. G, YO | GO TO 1208 1207 IIN=KNET 1011+50(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SS.EQ.100.) GO TO 1000 C PRINT CULT IIILE AND THEN ECHO CHECK DATA WRITE (6.502)SSS.1.000 502 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H HARTE (5.502)SSS.1.000 504 FORMAT(1H ,'CRIT.LENGTHS FOR SECTION*F3.1,4H WRITE (5.503) IXBART, IYBART, 1H4,KT, AREA*F.6, YO WRITE (5.503) IXBART, IYBART, 1H4,KT, AREA*F.6, YO
 |
| 503 FORMAT(1H0,*SECT*,PROPS,IX=*F7.2,*IV=*F7.2,*IV=*F7.2,*VT=*I*A=*F8.1,*YN=*F5.2] C COMPUTE CATT LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS LX=5XRIVE LEREE*IXBART)/LOAD! WRITE(6,5051L X SOS FORMAT(1H ,10X,*CRIT.LENGTH W.R. TO X/X AXIS BUCKLE=*F7.2) C SOLVE CRIT LENGTH LAT.TORSIGNAL BUCKLE AZ=PIE*PIE*E*IYBART BZ=0*KT CZ=PIE*PIE*E*IYBART BZ=0+KT CZ=PIE*PIE*E*IXBARX+0Z AZ=0+OAD**YO**LOAD**YO | 1207 1208 | 1207 1208 1207 1208 1207 1208 1207 1208 | 1207 IIN=K+D(1)+D(2) 1.0. | JUNEIN+1 GG TO 1208 1207 IIN=K+D(1)+D(2) LIMEIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(X-*AAAK*TRES*DUM!)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE RRGGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FGRAAT(1H, 20X, *CRITICAL LENGTHS ARE AS BELOW'// FGRRAT(1H, *CRITICAL LENGTHS FOR SFCTION*F3.1,4H MRITE (6,502)SSS.10AD | 1207 IIN=K101208 1207 IIN=K1011+D121 1208 CINTINUE XXEL=(XC(IIN)+XC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)+ | GO TO 1208 1207 IIN=11N+1 4.1M=17+0(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(1)+D(2) 1.1M=17+10(2)+D(2) | JJN=IIN+1 60 T0 1208 11N=K+0[1]+D(2) 11N=K+0[1]+D(2) 12N=K+0[1]+D(2) 12N=K+0[1]+D(1] 12N=K+0[1]+D(1] 12N=K+0[1]+D(1] 12N=K+0[2,*AAAA**TRES*DUH])*(-1,)+BARK CONTINUE CONTINUE CONTINUE CONTINUE FORMATIH1,201) FORMATIH1,201) FORMATIH1,201) FORMATIH1,2010, GO TO 1000 PRINT FISSS:EQ:100, GO TO 1000 PRINT DUI IIIE AND THEN ECHO CHECK DATA PRINT DUI IIIE AND THEN FOR SECTION*F3:1,4H FORMATIH1,*CRIT_LENGTHS FOR SECTION*F3:1,4H | GO TO 1208 1207 IIN=K+D(1)+D(2) 1.1M=IN+1. 1.1M=IN+1. 1.1M=IN+1. 1.1M=K+D(1)+D(2) 1.1M=IN+1. 1.1M=IN+1. 1.1M=K+D(1)+D(2) 1.1M=IN+1. | JON=IIN+1 GG TO 1208 LOO TO 1208 LOO TO 1208 LONTINH- LOO CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(YVEL-YO)*(YVEL-YO) BARK=(Z.*AAAAK*TRES*DUH)*(-1.)+BARK LOO CONTINUE PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(\$,501) FOR TAX CRITICAL LENGTHS ARE AS BELOW'// IF(SSZ.60.100.) GO TO 1000 PRINT INITE AND THEN ECHO CHECK DATA WRITE (\$,502)SSS,LOAD WRITE (\$,502)SSS,LOAD WRITE (\$,502)SSS,LOAD WRITE (\$,502)SSS,LOAD | GO TO 1208 GO TO 1208 LINEK+D(1)+D(2) LINEK+D(1)+D(2) LINEK+D(1)+D(2) LINEK+D(1)+D(2) LINEK-D(1)+D(2) LINEK-D(1)+D(2) LINEK-D(1)+D(2) LINEK-D(1)+D(2) LINEK-D(1)+D(2) LINEK-D(2)+D(2)+D(2)+D(2) LINEK-D(2)+D(2)+D(2)+D(2) LINEK-D(2)+D(2)+D(2)+D(2) LINEK-D(2)+D(2)+D(2)+D(2) LINEK-D(2)+D(2)+D(2) LINEK-D(2)+D(2)+D(2)+D(2) LINEK-D(2)+D(2)+D(2)+D(2)+D(2)+D(2) LINEK-D(2)+D(2)+D(2)+D(2)+D(2)+D(2)+D(2)+D(2)+ | GO TO 1208 GO TO 1208 GO TO 1208 LINEK+D(1)+D(2) LINEK+D(1)+D(2) LINEKTE (1)+D(2) LINEKTE (1)+D(2) LINEKTE (1)+D(2) LINEKTE (2) LINEKTE (3) LINEKTE (4) LINEKTE (4 | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+L 1208 CONTINU-L XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) RARK=(2.*AAAAK*TRES*DUH))*(-1.)+BARK 1202 CONTINU-E 1201 CONTINU-E | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+L 1208 CONTINU-L XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) RARK=(2.*AAAAK*TRES*DUH))*(-1.)+BARK 1202 CONTINU-E 1201 CONTINU-E | JJN=IIN+1 60 T0 1208 1207 IIN=K011+0162) JJM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+YC(JJJN))/2. XXEL=(XC(IIN)+YC(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO)*(YYEL-YO) EARH=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CON | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(I)+D(2) JJM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+YC(JJJN))/2. XXEL=(XC(IIN)+YC(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(YES*DUNI)*(-1.)+BARK 1202 CONTINUE 1201 CONTI | JJN=IIN+1 60 T0 1208 1207 IIN=K+0[1)+D1(2) JJM=IIN+1. 1208 CONTINUE XXEL=(XC[IIN)+XC(JJN))/2. XXEL=(XC[IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(YYEL-YO) AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(YYEL-YO) AAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(YYEL-YO) CONTINUE 1202 CONTINUE 1202 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(IH,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSEQ.100-) 60 T0 1000 C PRINT DUI TITLE AND THEN ECHO CHECK DATA WRITE (4,502)SSS,LOAD 502 FORMAT(IH, 'CRIT.LENGTHS FOR SECTION*F3.1,4H | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(I)+D(2) JJM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+YC(JJJN))/2. XXEL=(XC(IIN)+YC(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(YES*DUNI)*(-1.)+BARK 1202 CONTINUE 1201 CONTI | JJN=IIN+1 60 T0 1208 1207 IIN=K011+0162) JJM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+YC(JJJN))/2. XXEL=(XC(IIN)+YC(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO)*(YYEL-YO) EARH=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CON | JJN=IIN+1 60 T0 1208 1207 IIN=KPI(1)+D1(2) 1JN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 1208 | JUNEIN+1 JUNEIN+1 JUNEIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+XC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-YO)*(VYEL-YO)*(VYEL-YO) 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(1H, 20X, *CRITICAL LENGTHS ARE AS BELOW*// FIFTSSS.EQ.100.) 60 TO 1000 RRITE (6,501) 502 FORMAT(1H, *CRIT, *CHD CHECK DATA WRITE (6,502) SSS.10AD 502 FORMAT(1H, *CRIT, *LENGTHS FOR SFCTION*F3.1,4H | 1207 IIN=K+D(1)+D(2) JAM=IN+1 1208 CONTINE XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAK=(XXEL-XO)+(XYEL-YO)+(YYEL-YO) BARK=(2.*AAAK*TRES*DUMI)+(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMATILL 20x, 'CRITICAL LENGTHS ARE AS BELOW'// IF (SS. 5.0.00-) 60 TO 1000 PRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (4.902)SS.\$1.000 502 FORMAT(IH, 'CRIT, LENGTHS FOR SFCTION'F3.1,4H | 1207 11.08 12.08 12.07 11.08 12.07 11.08 12.08 12.08 12.09 12.08 12.08 12.09 12.08 12.09 | 1207 1208 1207 1208 1207 1208 1207 1208 | GO TO 1208 1207 IIN=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+L 1208 CONTINU+ XXEL=(XC(IIN)+XC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. AAAAK=(XKL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUH1)*(-1.)+BARK 1202 CONTINUF 1201 CONTINUF C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(IH1,20X, 'CRITICAL LENGTHS ARE AS BELOW*// IF(SSS.EQ.100.) 60 TO 1000 C PRINT DUT IIILE AND IHEN ECHO CHECK DATA WRITE (4,502)SSS.LOAD 502 FORMAT(IH ,'CRIT.LENGTHS FOR SECTION*F3.1,4H | GO TO 1208 1207 IN=K+D(1)+D(2) 11M=K+D(1)+D(2) 11M=K+D(1)+L. 1208 CONTINU-L XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) AAAAK=(XXEL-XO)+(XXEL-YO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUH1)*(-1.)+BARK 1202 CONTINU-E 1201 CONTINU-E 1201 CONTINU-E C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(IH1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SSS-EQ.100-) 60 TO 100-0 PRINT DUT IIILE AND IHEN ECHO CHECK DATA WRITE (4,502)SSS,LOAD 502 FORMAT(IH ,'CRIT,LENGTHS FOR SECTION*F3.1,4H | GO TO 1208 1207 IIN=K+D(1)+D(2) JAME-IIN+IL 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(Y |
| ## WRITE (5,503) IXBART, IYBART, IW, KTAREA, E,6,VD ## 163.2.1 IXBART, IYBART, IW, KTAREA, E,6,VD ## 163.2.1 IXBART, IYBART, IYBART, IYBIT, 2, ' I ## 163.2.1 Lais 1. | 1207 TO 1208 1208 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CJMTINE. XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) BARK=[2.*AAAK*TRES*DUM!)*(-1.)+BARK 1202 CDNTINUE 1201 CDNTINUE C CNTINUE RRITE(6.501) 501 FORMAT(1H,20X,*CRITICAL LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H,20X,*CRITICAL LENGTHS ARE AS BELDW*// IF(SSS.EQ.100.) GO TO 1000 C PRINT (0.502)SSS.LOAD WRITE (6.502)SSS.LOAD SOZ FORMAT(1H,*CRIT.LENGTHS FOR SFCTION*F3.1,4H | 1207 IIN=K+D(1)+D(2) 1JM=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-YO)+(YYEL-YO) AAAK=(Z,*AAAAK*TRES*DUM1)*(-1,)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT FISS=EQ,100,0 of TO 1000 C PRINT OUT TILLE AND THEN ECHO CHECK DATA WRITE (6,502)SSS,LOAD 502 FORMAT(1H,'CRIT,LENGTHS FOR SFCTION'F3,1,4H | JUNEIN+1 JUNEIN+1 JUNEIN+1 1208 (110-10)
(110-10) (110 | JUNEIN+1 60 TO 1202 1207 IIN+1 1208 CONTINUE XXEI=(XC(IIN)+XC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)+YC(| JUN=IIN+1 GO TO 1208 GO TO 1208 JUN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. AAAAK=(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(XXEL-XO)*(XEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(XXEL-XO)*(XEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(XXEL-XO)*(XEL-XO)*(YEL-YO)*(YEL-YO) BARK=(XEL-XO)*(XEL-XO)*(YEL-YO)*(| JUN=IIN+1 GO TO 1208 IIN=KPOT(1)+D(2) JUN=IIN+1. CONTINUE XXEL=XC(IIN)+YC(JJJN)/2. YYEL=(YC(IIN)+YC(JJJN)/2. YYEL=(YC(IIN)+YC(JJJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. CONTINUE RESEAR*(IN)*(IN)*(IN)*(IN)*(IN)*(IN)*(IN)*(IN) | JUN=IIN+1 GO TO 1208 GO TO 1208 LOO TIN=IX+1 LOBE CONTINUE XXEL=(XC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(Z-*AAAAK*TRES*DUH1)*(-1.)+BARK LOO CONTINUE PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6,501) SOI FORMAT(1H,20X,'CRITICAL LENGTHS ARE AS BELOW'// FILSS.EG-100.) GO TO 1000 PRINT OUT IIIIE AND THEN ECHO CHECK DATA WRITE (5,502)SSS,LOOD SOZ FORMAT(1H,'CRIT.LENGTHS FOR SFCTION'F3.1+4H | JUN=IIN+1 6G TO 1208 6D TO 1208 6 | JJN=IIN+1 GD TO 1208 GD TO 1208 1207 IIN=K+D(I)+D(2) JJM=IN+1 1208 CDNTINU= XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(YVEL-YO)*(YVEL-YO) BARK=(Z-*AAAAK*TRES*DUNI)*(-1.)+BARK 1202 CDNTINUE PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITG(6,501) FORMAT(IH,20X,*CRITICAL LENGTHS ARE AS BELOW*// IF (SSS.EQ.100.) GD TO 1000 PRINT DULT IIILE AND THEN ECHD CHECK DATA WRITE (5,502)SSS,LOAD WRITE (5,502)SSS,LOAD
 | JUN=IIN+1 GO TO 1208 GO TO 1208 LIN=K+D(1)+D(2) LIN=K+D(1)+D(2) LIN=K+D(1)+D(2) XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(YVEL-YO)*(YVEL-YO) BARK=(Z-*AAAAK*TRES*DUN1)*(-1.)+BARK LONTINUE ROOR AND LRIT, COMPUTES CRIT LENGTH FOR DIFFERENT MRIEG(5,501) FORMAT(1H,2OX,*CRITICAL LENGTHS ARE AS BELOW*// FILSS.EG-100.) GO TO 1000 PRINT OUT ITILE AND THEN ECHO CHECK DATA WRITE (5,502)5SS,LOAD WRITE (5,502)5SS,LOAD | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[1]+D[2] JJM=IIN+1. 1208 CONTINUL XXEL=(XC[IIN)+YC(JJJN))/2. XXEL=(XC[IIN)+YC(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUL C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(111,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) GO T0 1000 C PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (6.902)SSS.10AD 502 FORMAT(111, 'CRIT,LENGTHS FOR SFCTION'F3.1,4H | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[1]+D[2] JJM=IIN+1. 1208 CONTINUL XXEL=(XC[IIN)+YC(JJJN))/2. XXEL=(XC[IIN)+YC(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUL C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(111,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) GO T0 1000 C PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (6.902)SSS.10AD 502 FORMAT(111, 'CRIT,LENGTHS FOR SFCTION'F3.1,4H | JJN=IIN+1 60 T0 1208 1207 IIN=KPI(1)+D(2) 1208 CONTINUE CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) 60 T0 1000 C PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (6.902)SSS.10AD 502 FORMAT(1H, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H | JJN=IIN+1 60 T0 1208 1207 IIN=KPI 1208 CONTINE CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) 60 T0 1000 C PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (6.902)SSS.10AD 502 FORMAT(1H, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H
 | JJN=IIN+1 60 T0 1208 1207 IIN=K011+0102) JJN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(111,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) 60 T0 1000 C PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (6.902)SSS.10AD 502 FORMAT(11 'CRIT.LENGTHS FOR SFCTION'F3.1,4H | JJN=IIN+1 60 T0 1208 1207 IIN=KPI 1208 CONTINE CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) 60 T0 1000 C PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (6.902)SSS.10AD 502 FORMAT(1H, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H | JJN=IIN+1 60 T0 1208 1207 IIN=KPI(1)+D(2) 1208 CONTINUE CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) 60 T0 1000 C PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (6.902)SSS.10AD 502 FORMAT(1H, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H | JON=IIN+1 GO TO 1208 GO TO 1208 LONTINE LONTINUE YYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUM!)*(-1.)+BARK LOONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF SSS.EQ.100.) GO TO 10CO C PRINT OUL TITLE AND THEN ECHO CHECK DATA WRITE(6.502)SSSS.LOAD 502 FORMAT(1H, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H | JUNEIN+1 GG TO 1208 1207 IIN=K+D(1)+D(2) LIME_IN+1. 1208 CONTINUE XXEL=(YC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) BARK=(Z-*AAAAK*TRES+DUH1)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'// IF(SS.EQ.100.) GO TO 10CO C PRINT OUT ITILE AND THEN ECHO CHECK DATA WRITE (6.502)SS.S.LOAD 502 FORMAT(1H ,'CRIT,LENGTHS FOR SFCTION'F3.1,4H
 | 1207 IIN=K+D(1)+D(2) 1208 (20 TO 110=K+D(1)+D(2) 1208 (20 TO 11N)+X(1)+D(2) 1208 (20 TO 11N)+X(1)+D(1)+D(2) XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(YXEL-YO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES*DUM1)*(-1.)+BARK 1202 (20 TINU) 1202 (20 TINU) C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT PROGRAM LCRIT,COMPUTES CRIT LENGTHS ARE AS BELOW*// IF (SSS-EQ.100.) 60 TO 1000 C PRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (6.502)SSS.LOAD 502 FORMAT(1H, 'CRIT.LENGTHS FOR SECTION*3.1,4H | 1207 IIN=K+D(1)+D(2) 1208 CDNTIN+II 1208 CDNTIN+II 1208 CDNTINN+II 1208 CDNTINN+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. AAAAK=(X*AAAK*TRES*DUM1)*(-1.)+BARK 1202 CDNTINUE 1201 CDNTINUE 1202 CDNTINUE 1201 CDNTINUE 1201 CDNTINUE 1201 CDNTINUE 1201 CDNTINUE 1202 CDNTINUE 1201 CDNTINUE 120 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CJMTINE. XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) AAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) BARK=[2.*AAAK*TRES*DUM!)*(-1.)+BARK 1202 CDNTINUE 1201 CDNTINUE C CNTINUE RRITE(6.501) 501 FORMAT(1H,20X,*CRITICAL LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H,20X,*CRITICAL LENGTHS ARE AS BELDW*// IF(SSS.EQ.100.) GO TO 1000 C PRINT (0.502)SSS.LOAD WRITE (6.502)SSS.LOAD SOZ FORMAT(1H,*CRIT.LENGTHS FOR SFCTION*F3.1,4H | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=K+D(1)+L1. 1208 CONTINUL XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUM!)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) FOLSS.Eq.100.) GO TO 1000 C PRINT OUT IIILE AND THEN ECHO CHECK DATA WRITE (6,502)SSS.100 D 502 FORMAT(1H, 'CRIT,LENGTHS FOR SFCTION'F3.1,4H | GO TO 1208 1207 IIN=K+D(1)+D(2) 1JM=IIN+II. 1208 CONTINU-I XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)+(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINU- C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMAT(IH,20X,*CRITICAL LENGTHS ARE AS BELOW*// IF(SSS.Eq.100.) GO TO 1000 C PRINT OUT ITILE AND THEN ECHO CHECK DATA WRITE (6.902)SSS.LOD 502 FORMAT(IH,*CRIT,LENGTHS FOR SFCTION*F3.1,4H | 1207 TO 1208 1208
 |
WRITE (5,503) IXBART, IYBART, IW, KT, AREA, E, G, YD 503 FORMAT(1HO, 'SECT. PROPS.IX='F7.2,' IY='F7.2,' IW='F7.2,' KT=' 11.4=162.1.E='E81.1.' G='E8.11.' YP='E5.2] C COMPUTE (STI LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS LX=SQRT (PEIE*PIE*E*IXBART) LADD) WRITE(6,503) IXBART, LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) AZ-BTE*PIE*E*IYBART BZ=CART CZ=FIE*PIE*E*IYBART BZ=CART CZ=FIE*PIE*E*IW DZ=CARZ CZ=1.* (AZ*C.1) AZ=CARZ CZ=1.* (AZ*C.2) AZ=CARZ CZ=1.* (AZ*C.2) AZ=CAZ=1.* (AZ*C.2) AZ=CAZ*C.2 AZ=CAZ*CAZ*C.2 AZ=CAZ*CAZ*CZ*C.2 AZ=CAZ*CZ*CZ*CZ*CZ*CZ*CZ*CZ*CZ*CZ*CZ*CZ*CZ*CZ	1207 1208 1208 1208 1207 1208	1207 1208 1207 1208 1207 1208 1207 1208 1207 1208	1207 IIN=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 1208 CONTINU- 1202 CONTINU- 1202 CONTINU- 1203 CONTINU- 1204 CONTINU- 1205 CONTINU- 1206 CONTINU- 1206 CONTINU- 1207 CONTINU- 1208 CONTINU- 1208 CONTINU- 1209 CONTINU- 1209 CONTINU- 1200 CON	JONETIN+1 JUNETIN+1 GG TO 1208 1207 IIN=K+D(1)+D(2) LINE-IN+1. 1208 CONTINUE XXEL=(YC(IIN)+Yc(JJJN))/2. YYEL=(YC(IIN)+Yc(JJJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YVEL-YO)*(1207 IIN=1 IN+1 GO 11208 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. YYEL=(YC(IIN)+YC(JJN1)/2. IZOZ CONTINUE IZOZ CONTINUE IZOZ CONTINUE IZOZ CONTINUE IZOZ CONTINUE FROGEMH LCHITCOMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) FROGEMH LCHITCOMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) FROGEMH CONTINUE FROG	JUN=IIN+1 GO TO 1208 GO TO 1208 LIM=K+D(1)+D(2) LIM=K+D(1)+D(2) LIM=K+D(1)+D(2) LIM=K+D(1)+D(2) XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XC(IIN)+YC(JJN1)/2. XXEL=(XC(IIN)+YC(JJN1)/2. AAAK=(X*EL-XO)*(X*EL-XO)*(Y*EL-YO)*(Y*EL-YO) BARK=(2.*AAAK*TRES*DUM1)*(-1.)+BARK L202 CONTINUE PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) FORMAT(HI)+20X,'CRITICAL LENGTHS ARE AS BELOW*// IF(SS:EQ-100.) GO TO 1000 PRINT OUT IIILE AND THEN ECHO CHECK DATA WRITE (5,502)SS:EQ-100.)	JJN=IIN+1 60 T0 1208 IIN=K+01(1)+0(2) JJN=IIN+1 CXXEL=(XC(1)+0(2) XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. CONTINUE CONTINUE CONTINUE FORMAT(IH, 1,20X, *CRITICAL LENGTH FOR DIFFERENT WRITE(6,501) FORMAT(IH, 20X, *CRITICAL LENGTHS ARE AS BELOW*// FISS S.Eq.100.) GO TO 1000 PRINT CONTINUE AND THEN ECHO CHECK DATA WRITE (5,502)SSS, LOAD BRINT (11ILE AND THEN ECHO CHECK DATA	JUN=IIN+1 GD TO 1208 GD TO 1208 JIN=K+D(1)+D(2) JIN=K+D(1)+D(2) JIN=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAK=(X*EL-XO)*(X*EL-XO)*(Y*EL-YO)*(Y*EL-YO) BARK=(Z.*AAAAK*TRES*DUM1)/2. AAAK=(X*EL-YO)*(X*EL-XO)*(Y*EL-YO)*(Y*EL-YO) BARK=(Z.*AAAAK*TRES*DUM1)/2. FORMINUE PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) FORMILINI,20X,'CRITICAL LENGTHS ARE AS BELOW*// IF(SS.EQ.100.) GD 1000 PRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (5,502)SS.EQ.1000 PRINT (1) 1011 INTER SOURTES CON SECTIONIES 1 AND SOURTES CON SECTIONIES 1 AND SOURTES 1 AND SOURTES CON SECTIONIES 1 AND SOURTES 2 AND SOURTES 1 AND SOURTES 1 AND SOURTES 1 AND SOURTES 1 AND SOURTES 2 AND SOURTES 1 AND SOURTES 2 AND SOURTES 1 AND SOURTES 1 AND SOURTES 2 AND SOURTES 1 AND SOURTES 2 AN	JON=IIN+1 GO TO 1208 GO TO 1208 LON IIN+1 LON CONTINU-1 XXEL=(XCI(IN)+XC(JJN))/2. XXEL=(XCI(IN)+XC(JJN))/2. AAAAK=(XKL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUH)/2. AAAAK=(XKL-XO)*(XREL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUH)/2. AAAAK=(XKL-XO)*(XREL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUH)/2. FROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(4.501) FORMATIHI,20X,*CRITICAL LENGTHS ARE AS BELOW*// IF(SSS-EQ-100.) GO TO 1000 PRINT OUT IIILE AND THEN ECHO CHECK DATA WRITE (4.502)SSS-LOAD WRITE (5.502)SSS-LOAD	JJN=IIN+1 60 TO 1208 60 TO 1208 1207 IIN=K+D(I)+D(2) 11M=K+D(I)+D(2) 11M=K+D(I)+D(2) 12ME CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+YC(JJN))/2. AAAKE (XEL-XO)*(XEL-XO)*(YEL-YO)*(YEL-YO) BARK=(2.*AAAAK*TRES*DUH1)/2. AAAKE (XEL-XO)*(XEL-XO)*(YEL-YO)*(YEL-YO) BARK=(2.*AAAAK*TRES*DUH1)/2. FORMINUE PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) FORMILL,20X,'CRITICAL LENGTHS ARE AS BELOW*// IF(SS.EQ.100.) 60 TO 1000 PRINT OUT IIILE AND IHEN ECHO CHECK DATA WRITE (5.502)SS.EQ.1000 PRINT (1.1 COUT I ENTILE AND SOURCESTIONES AND SOURCES AN	JJN=IIN+1 60 TO 1208 60 TO 1208 61 TO 1208 61 TO 1208 61 TO 1208 62 TO 1208 63 TO 1208 64 TO 1208 65 TO 1208 6	JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1M=K+D(1)+D(2) 1M=K+D(1)+D(2) 1M=K+D(1)+D(2) 1M=K+D(1)+D(2) XXEL=(XC(IIN)+XC(JJNI)/2, YYEL=(YC(IIN)+YC(JJNI)/2, AAAAK=(XXEL-X0)+(YYEL-Y0)+(YYEL-Y0) BARK=(2.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CMYINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// C PRINT OUT TITLE AND THEN ECHO CHECK DATA KATTE (5.202)SSS.EQ.1004) 602 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// C PRINT OUT TITLE AND THEN ECHO CHECK DATA KATTE (5.202)SSS.EQ.1004)	JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1M=K+D(1)+D(2) 1M=K+D(1)+D(2) 1M=K+D(1)+D(2) 1M=K+D(1)+D(2) XXEL=(XC(IIN)+XC(JJNI)/2, YYEL=(YC(IIN)+YC(JJNI)/2, AAAAK=(XXEL-X0)+(YYEL-Y0)+(YYEL-Y0) BARK=(2.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CMYINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// C PRINT OUT TITLE AND THEN ECHO CHECK DATA KATTE (5.202)SSS.EQ.1004) 602 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// C PRINT OUT TITLE AND THEN ECHO CHECK DATA KATTE (5.202)SSS.EQ.1004)	JJN=IIN+1 GD TD 1208 1207 IIN=K+D[1]+D[2] JJM=IIN+1. 1208 CONTINUL XXEL=(XC[IIN)+XC(JJN))/2. XXEL=(XXEL-XD)+(YYEL-YD)+(YYEL-YD) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINULE 1201 CONTINULE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// FF (SSS: EQ.100.) 60 TO 1000 C PRINT DUI TITLE AND THEN ECHO CHECK DATA RATTE (5.502) SSS: LOAD C PRINT DUI TITLE AND THEN ECHO CHECK DATA RATTE (5.502) SSS: LOAD	JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJM=IIN+1. 1208 CONTINU-1 EXEL=(XC(IIN)+XC(JJNI)/2. YXEL=(XC(IIN)+YC(JJNI)/2. AAAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINU-1 1201 CONTINU-1 C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// C PRINT OUT IIILE AND THEN ECHO CHECK DATA RATTE (5.502) SS.540.000.)	JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJM=IIN+II. 1208 CONTINUI. XXEL=(XC(IIN)+XC(JJNI)/2. XXEL=(XC(IIN)+XC(JJNI)/2. AAAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// C PRINT OUT IIILE AND THEN ECHO CHECK DATA KANTE (5.202)SSS.EQ.1000) C PRINT OUT IIILE AND THEN ECHO CHECK DATA KANTE (5.202)SSS.EQ.1000	JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJM=IIN+1. 1208 CONTINU-1 EXEL=(XC(IIN)+XC(JJNI)/2. YXEL=(XC(IIN)+YC(JJNI)/2. AAAAK=(XXEL-XO)*(XXEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUHI)*(-1.)+BARK 1202 CONTINU-1 1201 CONTINU-1 C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// C PRINT OUT IIILE AND THEN ECHO CHECK DATA RATTE (5.502) SS.540.000.)	JJN=IIN+1 GD TD 1208 1207 IIN=K+D[1]+D[2] JJM=IIN+1. 1208 CONTINUL XXEL=(XC[IIN)+XC(JJN))/2. XXEL=(XXEL-XD)+(YYEL-YD)+(YYEL-YD) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINULE 1201 CONTINULE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6.501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// FF (SSS: EQ.100.) 60 TO 1000 C PRINT DUI TITLE AND THEN ECHO CHECK DATA RATTE (5.502) SSS: LOAD C PRINT DUI TITLE AND THEN ECHO CHECK DATA RATTE (5.502) SSS: LOAD	JON=IIN+1 GO TO 1208 GO TO 1208 LAM=IIN+1. LOB CONTINUE XYEL=(YC(IIN)+YC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAK=(XXEL-YO)+(YVEL-YO)+(YYEL-YO) AAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(YYEL-YO) LOD CONTINUE CONTINUE CONTINUE C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) SOI FORMAT(1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'/' FF SSS - G-100.) GO TO 1000 PRINT (6,501) C PRINT (1H1,20X, 'CRITICAL LENGTHS ARE AS BELOW'/' FF SSS - G-100.) GO TO 1000 C PRINT (1H1,10X, 'CRITICAL LENGTHS ARE AS DELOW'/' FF SSS - G-100.) GO TO 1000 C PRINT (1H1,10X, 'CRITICAL LENGTHS ARE AS DELOW'/' FF SSS - G-100.) GO TO 1000 C PRINT (1H1,10X, 'CRITICAL LENGTHS ARE AS DELOW'/' FF SSS - G-100.) GO TO 1000 C PRINT (1H1,10X, 'CRITICAL LENGTHS ARE AS DELOW'/' FF SSS - G-10X, 'CRITICAL LENGTHS ARE AS DELOW'/'	JUNEIN+1 JUNEIN+1 GG TO 1208 1207 IIN=K+D(1)+D(2) LIMEIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. YYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)*(XXEL-XO)*(YVEL-YO)*(YVEL-YO) AAAK=(XXEL-XO)*(XXEL-XO)*(YVEL-YO)*(YVEL-YO) 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(1H,20X,*CRITICAL LENGTHS ARE AS BELOW*// FORMAT(1H,20X,*CRITICAL LENGTHS ARE AS BELOW*// FORMAT(1H,10X,*CRITICAL LENGTHS ARE AS BELOW*// FORMAT(1H,1H,1H,1H,1H,1H,1H,1H,1H,1H,1H,1H,1H,1	1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1208 CONTINU-I XXEL=(XC(IIN)+XC(JJN))/2. XYEL=(YC(IIN)+YC(JJN))/2. AAAAK=(XXEL-XO)+(XYEL-YO)+(YYEL-YO) BARK=(2.*AAAK*TRES*DUMI)+(-1.)+BARK 1202 CONTINU-I 1201	GO TO TINE 1207 IIN=K+D(I)+D(2) 1.10=IIN=IN=IN=IN=IN=IN=IN=IN=IN=IN=IN=IN=IN	1207 1208 1207 1208 1207 1208 1207 1208 1207 1208	GO TO 1208 1207 IIn=K+D(1)+D(2) 11M=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC(JJNI))/2. YYEL=(YC(IIN)+YC(JJNI))/2. AAAAK=(XXEL-XO)+(YYEL-YO)*(YYEL-YO) BARK=(2.*AAAAK*TRES*DUMI)*(-1.)+BARK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT MRITE(6.501) 501 FORMATI(1)+120X, 'CRITICAL LENGTHS ARE AS BELOW*// FIF (SSS. 50.100.) 60 TO 1000 C PRINT OUT TITLE AND THEN ECHO CHECK DATA RATTE (5.502)SSS.40.000.)	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=K+D(1)+D(2) 1208 CONTINUL XXEL=(XC(IIN)+XC(JJN1)/2. XYEL=(YC(IIN)+YC(JJN1)/2. AAAAK=(XXEL-XO)+(YYEL-YO)*(YYEL-YO) 1202 CONTINUL 1202 CONTINUL 1201 CONTINUL C PROGRAM LCRIT,COMPUTES CRIT LENGTH FOR DIFFERENT WRITE(6,501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS ARE AS BELOW*// IFFSSS-EQ-100-) 60 TO 1000 C PRINT OUT TITLE AND THEN ECHO CHECK DATA RATTE (5,502) SSS-EQ-100-0 FORMATIE (5,502) FORMATIES CRIT LENGTHS ARE AS BELOW*// C PRINT OUT TITLE AND THEN ECHO CHECK DATA RATTE (5,502) FORMATIES CRIT LENGTHS AND THEN ECHO CHECK DATA	GO TO 1208 1207 IIN=K+D(1)+D(2) 1JM=LIN+1. 1208 CONTINU-1. XXEL=(XC(IIN)+XC(JJNI)/2. XXEL=(XC(IIN)+YC(JJNI)/2. AAAAK=(XXEL-XO)+(XXEL-YO)+(YY
1)	1207 IG 1208 1207 IG 1208 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XG) BARK=(XXEL-XG) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE(6,501) 501 FORMAT(1H,20X, IF ISS S, EQ,100,) C PRINTE(6,501) C PRINTE(6,501) KRITE(6,501) C PRINTE(6,501) C PRINTE(1H,20X, RRITE(6,501)	1207 [10+6[2] 1207 [10+6[1]+5[2] 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) FORMANCE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1207	1207 IIN=K+D(1)+D(2) 1208 CONTINE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, AAAK=(XEL-XD) BARK=(Z.*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PR	JJW=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJM=IIN+1. LOB CONTINUE XXEL=(YC(IIN)+XY YYEL=(YC(IIN)+XY YYEL=(YC(IIN)+XY AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) FOONTINUE C PROGRAM LCRIT, CC MRITTE(6.501) C PROGRAM (IH1,20X, IF ISS.EQ.100.) FORMATITE(6.502)SS	JUN=IIN+1 GO TO 1208 GO TO 1208 JUN=IIN+1 1208 CONTINUE XXEL=(YC(IIN)+Y AAAK=(XXEL-XD) BARK=(Z.*AAAKK 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI WRITE(6,501) PRINTE(6,501) PRINTE(6,501) PRINTE(6,501) PRINTE(6,501) PRINTE(6,501) PRINTE(6,501) PRINTE(6,501)	JUN=IIN+1 GD TO 1208 GD TO 1208 LUN=IN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAK=(XXEL-XD) BAKK=(Z.*AAAKK* 1202 CONTINUE 1201 CON	JJN=IIN+1 60 TO 1208 GOT TO 1208 LIN=K+D(I)+D(2) LIN=IIN+I LIN=II LIN=IIN+I LIN=IIN+I LIN=IIN+I LIN=II LIN=II LIN=II LIN=IIN+I LIN=II LIN=II LIN=II LIN=II LIN=II LIN=	JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+DI1)+D(2) LIN=IIN+1. LOB CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(Z.*AAAAK* L202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CU WRITE(6,501) PRICESS, EQ,100,) PRINT (IH,20X, IF(SSS, EQ,100,) PRINT (IM, 20X, IF(SSS, EQ,100,))	JUN=IIN+1 GO TO 1208 GO TO 1208 LIN=K+Dill+Di2) LIN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI HRITE(6,501) PRICE (10,501)	JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D(1)+D(2) LIN=IIN+1 LOB CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XO) BARK=(Z-*AAAK* LZOZ CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI WRITE(6,501) FISSS,EQ,100,) PRINT (1H,20X, IF(SSS,EQ,100,) PRINT (15,507) FINTE (6,501) PRINT (1H,20X, FORWAT	JUN=IIN+1 GD TO 1208 1207 IIN=K+D(I)+D(2) LAM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CU WRITE(6,501) FICSS.EQ.100.) PRINT (IH, 20X, IF (SSS.EQ.100.) PRINT (IM) 20X, IF (SSS.EQ.100.)	JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=IN+1, 1208 CONTINUE XKE = (XC(IIN)+XC XKE = (XC(IIN)+XC AAAK= (XKEL-XO) BARK = (2.*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE (6.501) SOI FORRAT (1H.1.20X*) IF SS S. EQ +100.) C PRINT (1H.1.20X*) IF SS S. EQ +100.)	JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=IN+1, 1208 CONTINUE XKE = (XC(IIN)+XC XKE = (XC(IIN)+XC AAAK= (XKEL-XO) BARK = (2.*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE (6.501) SOI FORRAT (1H.1.20X*) IF SS S. EQ +100.) C PRINT (1H.1.20X*) IF SS S. EQ +100.)	JJN=IIN+1 GD TO 1208 1207 IIN=K+DI1+DI2) 1JN=IIN+1 1Z08 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+YC XYEL=(YC(IIN)+YC XYEL=(YC(IN)+YC XYEL-(YC XYEL-(Y	JJN=11N+1 GD TO 1208 1207 IN=K+01(1+0(2) 1AM=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC HRITE(6,501) 501 FORRAT(1+1,20X+ IF ISS S, EQ+100,) C PRINTE (6,502) KRITE (6,502)SS	JJN=1IN+1 GD TO 1208 1207 IN=K+Di(1+Di(2) 1AN=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1	JJN=11N+1 GD TO 1208 1207 IN=K+01(1+0(2) 1AM=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC HRITE(6,501) 501 FORRAT(1+1,20X+ IF ISS S, EQ+100,) C PRINTE (6,502) KRITE (6,502)SS	JJN=IIN+1 GD TO 1208 1207 IIN=K+DI1+DI2) 1JN=IIN+1 1Z08 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+YC XYEL=(YC(IIN)+YC XYEL=(YC(IN)+YC XYEL-(YC XYEL-(Y	JUN=TIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JUN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IN)+YY XYEL-(YC(IN)+YY XYEL-(YC(IN)	JJN=[IN+1 G TO 1208 1207 1IN=K+D(1)+D(2) JJN=IIN+1, XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAAK=(XXEL-XD) BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGRAM LCRIT,C(MRITE(6.501) 501 FORMAT(1H1.20X, IF(SS.EQ.100.) C PRINT GIL ITITE C PRINT GIL ITITE	1207 IIN=K+D(1)+D(2) 1208 IDN=IN+1 1208 CONTIN+1 XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE=(XEL-XD) BARK=(Z-*AAAKE) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C MRITE(6.501) 501 FORMAT(1H,20X, IF(SS.EQ.100.) REINT OUT ITITE C PRINT OUT ITITE C P	1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YEL-X(YE)X(YEL-X(YEL-X(YEL-X(YEL-X(YEL-X(YEL-X(YEL-X(YEL-X(YEL-X(YEL-X(YE	1207 [10+6[2] 1207 [10+6[1]+5[2] 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) FORMANCE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1207	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, AAAAK=(XXEL-XO) BARK=(Z,*AAAAK*, 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE 2XEL=(XC(IIN)+XC) AAAAK=(XXEL-XO) BARK=(Z,*AAAAK*) 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1207 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 CO	GO TO 1208 1207 IN=K+D(1)+D(2) 1AB=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAK=(XXEL-XD) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE(6,501) S01 FORRAT(1H,20X, IFISSS.EQ.100.) C PRINTE(6,501)
502 FORMAT(11H ,'CRIT.LENGTHS FOR SFCTION'F3.1,4H ,'AXIAL LOAD: 11.4=158.2+1.6=158.1+1.6=158.1+1.70=155.2) C COMPUTE (STIT LENGTH CORREDSDONDING TO BUCKLING ABT XX AXIS DIE=3.14159 LX=SQRI((LEFPELE*EXBART)/LOAD! WRITE(6,505)LX SQRI((LEFPELE*EXBART)/LOAD! WRITE(6,505)LX SQRI((LEFPELE*EXBART)/LOAD! WRITE(6,505)LX SQRI((LEFPELE*EXBART)/LOAD! WRITE(6,505)LX SQRI((LEFPELE*EXBART)/LOAD! MRITE(6,505)LX C SQRI((LEFPELE*EXBART)/LOAD! AZ=DIE*PIE*EXBART-AZ*ROAN DZ=CANAT(11H ,10X, "CRIT.LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) C SQRI((LEFPEX)/LOAD*V) AZ=LOAD*VO*(UAD*V) AZ=LOAD*SQRI(LEBZ*ABZ-4.*AAZ*CC1)/(2.*AAZ)) CC=-1.* (LAZ.LT.0.)GO TO 1303 BZ=(-BBZ-SQRI(1AZ))/(2.*AAZ) FICIAZ.LT.0.)GO TO 1303 BZ=(-BBZ-SQRI(1AZ))/(2.*AAZ) FICIAZ.LT.0.)GO TO 1303 BZ=(-BBZ-SQRI(1AZ))/(2.*AAZ) FICIAZ.LT.0.)GO TO 1303 BZ=(-BBZ-SQRI(1AZ))/(2.*AAZ) BL=SQRI((-BBZ-SQRI(1AZ))/(2.*AAZ) BL=SQRI((-BBZ-SQRI(1BZ*BBZ-4.*AAZ*CC1)/(2.*AAZ)) GO TO 507 BL=SQRI((-BBZ-SQRI(1BZ*BBZ-4.*AAZ*CC1)/(2.*AAZ)) C DO NOT 507 BLESCENT WINTE(6,504)AL,BL 504 FORMAT(1HO, "CRIT.LENGTH W.R.TO LAT/TORS.BUCKLE='F7.2," INS DRUGNARAN COMPUTES CRITTCAL FORD DIFFERENT WINTELLED AND DIFFER	GO TO 1208 1207 IJN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XY YYEL=(XC(IIN)+XY AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATIHI,CO) IF (SSS, EQ. 100.) C PRINT OUT ITILE	1207 110#K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XYEL=(YC(IIN)+Y, AAAK=(YC(IIN)+Y, AAAK=(YC, AAAK=(YC, I202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTIN	1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=XO))) AAAK=(XYEL-XO) BARK=(Z.*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CC HRITE(6,501) 501 FORMAT(IH, 20X) IF SSS.EQ.100.) CC PRINT OUT ITILE	JAN=IN+1 G TO 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1 LOS CONTIN-1 XYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, IZOZ CONTINUE C CONTINUE PROGRAM (LRIT,COX) HEISSS EQ-100.) C PRINT OUT IIII	1207 IIN+1 GD 1208 LIN=IIN+1 1208 CONTINUE XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+YC XYEL=(XC(IIN)+YC AAAAK=(Z * AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 FROGRAN (IH, 20X) MRITE(6, 501) 501 FORMAT(IH, 20X) PRINT GUIT IIII.	JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=K+D[1]+D[2] LIN=IN+1 LIN=IN+1 TYEL=(TO(IIN)+X TYEL=(TO(IIIN)+X TYEL=(TO(IIN)+X TYEL=(TO(IIN)+X TYEL=(TO(IIN)+X TYEL=(TO(II	JJN=IIN+1 60 TO 1208 IIN=K+D(I]+D(2) LJN=IN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+Y YYEL-(Y YYEL-(YC(IIN)+Y YYEL-(Y	JUN=IIN+1 GD TO 1208 I207 IIN=K+D[1]+D[2] I208 CONTINUE XXEL=(XC(IIN)+X; XYEL=(XC(IIN)+X; AAAK=(XXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,C(WRITE(6,501) FOLFORMAT(IH1,20X) IF(SSS, EQ-1100,) PRINT OUT ITILE	JUN=IIN+1 GD TO 1208 GI TO 1208 LIN=K+DI] +D(2) LIN=K+DI] +D(2) LIN=IN+1 LI	JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LOB CONTINUE XXEL=(XC(IIN)+X; XYEL=(YC(IIN)+X; XYEL=(XC(IIN)+X; AAAAK=(XKEL-XD); BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1205 CONTINUE 1206 FORMAT(III,20) 1207 FORMAT(III,20) 1207 FORMAT(IIII,20)	JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LOB CONTINUE XXEL=(XC(IIN)+XX XYEL=(YC(IIN)+XX AAAK=(XXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,C(WRITE(6,501) FRINT GUIT IN 111,20X IF (SSS, EQ-1100,) PRINT GUIT ITILE	JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1M=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK*) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATICH,11,20X IF SSS, EQ.100,) REISSS, EQ.100,) REINI OUT IIILE	JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1M=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK*) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATICH,11,20X IF SSS, EQ.100,) REISSS, EQ.100,) REINI OUT IIILE	JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=K+D(1)+D(2) LOS CONTINUE XXEL=(XC(IIN)+XY AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC MRITE(6,501) 501 FORMATIH, LOS X	JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=K+D(1)+D(2) JJN=K+D(1)+D(2) XXEL=(X(IIN)+X XYEL=(X(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CDNTINUE 1201 CDNTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATIH,11,20X IF SSS = EQ = 1000, C PRINT OUT ITILE	JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO)) BARK=(2.*AAAKK*) 1202 CONTINUE 1201 CONTINUE CONTINUE CONTINUE 1201 CONTINUE CONTINUE ICOLORIANI CONTINUE CONTINUE ICOLORIANI CONTINUE CONTINUE ICOLORIANI CONTINUE CONTINUE ICOLORIANI CONTINUE CON	JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=K+D(1)+D(2) JJN=K+D(1)+D(2) XXEL=(X(IIN)+X XYEL=(X(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CDNTINUE 1201 CDNTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATIH,11,20X IF SSS = EQ = 1000, C PRINT OUT ITILE	JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=K+D(1)+D(2) LOS CONTINUE XXEL=(XC(IIN)+XY AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC MRITE(6,501) 501 FORMATIH, LOS X	JAN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) LAM=IIN+1, L208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(Y	JANETIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=TIN+1. 1208 CONTINUE XYEL=(XC(IIN)+Y, XYEL=(XC(IIN)+Y, XYEL=(XCIIN)+Y, XYEL=(XCIIN)+Y, XYEL=(XCIIN)+Y, XYEL=(XCIIN)+Y, XYEL=(XCIIN)+Y, XYEL=(XCIIN)+Y, XYEL=(XCIIN)+X, XYEL	1207 IIN=K+D(I)+D(2) 1208 CDNTINNI 1208 CDNTINNI XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=XO))) 1202 CDNTINUE 1202 CDNTINUE 1201 CONTINUE PROGRAM (LERIT, CC HRITE(6,501) 501 FORMATICH (11,20X) IF SSS - EQ-100.) RRINT OUT ITILE	1207 IN=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X(YEE=(YC(IIN)+X(YEE=(YC(IIN)+X(YEE=(YC(IIN)+X(YEE=(YC(IIN)+X(YEE=(YC(IIN)+X(YEE=(YC(IIN)+X(YEE)(YEE))))))) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 FRANTATILIA-20X 1615 SS 2 EQ-100-30X 1615 SS 2 EQ-100-30X 1615 SS 2 EQ-100-30X	1207 110#K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XYEL=(YC(IIN)+Y, AAAK=(YC(IIN)+Y, AAAK=(YC, AAAK=(YC, I202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTIN	GO TO 1208 1207 IIN+FAD(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XYYEL=(XC(IIN)+XYYEL=(XC(IIN)+XYYEL=(XEL-XD)+XYYEL-XD)+XYYEL=(XEL-XD)+XYYEL=(XEL-XD)+XYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(X*EL-XO); BARK=(2,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATICH,10,0X; IF SSS, EQ-1100,0X; C PRINI OUT IIILE	GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XY YYEL=(YC(IIN)+XY AAAK=(XXEL-XO) BARK=(2.*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATIHI,CO) IF SSS = EQ = 100.) REINT OUT ITILE
## WITE	1207 IG 1208 1207 IG 1208 1208 CGNTINUE XXEL=(XC[IIN)+XC XYEL=(YC[IIN)+XC AAAK=(XYEL-XG) BARK=(Z,*AAAKK* 1202 CGNTINUE 1201 CGNT	1207 IIA+FD(1)+D(2) 1207 IIA+FD(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL	1207 IIN=K+D(1)+D(2) 1208 CONTINUE 208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE (XXEL-XD) BARE(ZXEL-XD) BARE(ZXEL-XD) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501) 501 FORMAT(1H1,20X, IFISSS,EQ,100,)	JJW=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JM=IIN+1 LOB CONTINUE XYEL=(YC(IIN)+Y XYEL=(YC(IIN)+Y AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) CONTINUE CONTINUE CONTINUE FORGRAM LCRIT, CC WRITE(6+501) FOLGWAY (1H1,20X) IF SSS - EQ-100.)	JUN=IIN+1 GD TO 1208 GD TO 1208 LUN=IIN+1 1208 CONTINUE XXEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=XXEL-XD) BARK=(Z.*AAAKK 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CC MRITE(6,501) FISSS.EQ.100.)	JUN=IIN+1 GD TO 1208 GD TO 1208 LUN=K+DIJ+DI(2) LUN=IN+1 LUN=IN+1 LUN=IN+1 LUN=IN+1 LUN=IN+1 LUN=IN+1 AAAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) FOOTINUE LOOI CONTINUE PROGRAM LCRIT.CI WRITE(6,501) FOOTINUE FOOTINUE FOOTINUE RITE(6,501) FOOTINUE FOOTIN	JJN=IIN+1 60 TO 1208 IIN=K+D[1]+D[2] JJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IN)+X YYEL-(YC(IN)+X	JUN=IIN+1 GD TO 1208 LOT 11N=K+011)+D(2) LUN=K+011)+D(2) LUN=IN+1 LOS CONTINUE XXEL=(XC(IIN)+X AAAAK=(XXEL-XO) BARK=(Z-*AAAAK* LOC CONTINUE LOC CONT	JUN=IIN+1 GO TO 1208 GO TO 1208 LUN=IN+1,1+D(2) LUN=IN+1,1+D(2) LUN=IN+1,1+D(2) XXEL=(XC(IIN)+Y,1 AAAK=(XXEL-XO) BARK=(Z,*AAAK* LZOZ CONTINUE 1201 CONTINUE PROGRAM LCRIT, CO WRITE(6,501) FOR FORMAT(1H,20X,100,1) IF(SSS,EQ,100,1)	JUN=11N+1 GD TO 1208 GD TO 1208 LIN=K+D(1)+D(2) LIN=K+D(1)+D(2) LOS CONTINUE XXEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(IN)+XC XYEL=(XC	JUN=IIN+1 GD TO 1208 ILOT 11N=K+D(1)+D(2) LIN=K+D(1)+D(2) XXEL=(XC(IIN)+XCXEL=(XC(IIN)+XCXEL=(XC(IIN)+XCXEL=(XC(IIN)+XCXEL=(XC(IIN)+XCXEL=(XC(IN)+XCXEL-XC)+XC(IN)+XCXEL=(XC(IN)+XCC)+XC(IN)+XCC(I	JJN=IIN+1 GO TO 1208 1207 IJM=F+D(1)+D(2) JM=F+D(1)+D(2) JM=F+D(1)+D(2) ZXE = (XC[IIN)+XC ZXE = (XC[II	JJN=IIN+1 GO TO 1208 1207 IJM=F+D(1)+D(2) JM=F+D(1)+D(2) JM=F+D(1)+D(2) ZXE = (XC[IIN)+XC ZXE = (XC[II	JJN=IIN+1 GO TO 1208 1207 IIN=K+DI1+DI2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1	JJN=IIN+1 GD TO 1208 1207 IN=K+DI(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE	JJN=IIN+1 GD TO 1208 1207 IJN=K+Di(1+Di(2) 1JN=IIN+1 1208 CONTINUE XXEL=(XC[IIN)+X XYEL=(XC[IIN)+X AAAK=(XYEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINU	JJN=IIN+1 GD TO 1208 1207 IN=K+DI(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE	JJN=IIN+1 GO TO 1208 1207 IIN=K+DI1+DI2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1	JUN= IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1AN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XXEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(IN)+X, XYEL-(XC(I	JJN=[IN+1 G TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1, IZOB CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAAK=(XXEL-XD) BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE(6,501) 501 FORBAT(1H,20X, IFISSS, EQ.100.)	1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XXEL-XD) BARE(XXEL-XD) BARE(XXEL-XD) BARE(XXEL-XD) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC HRITE(6,501) 501 FORRAT(1H1,20X, IFISSS, EQ.100,)	1207 IIN=K+D(I)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) BARE=(XXEL-XD) FORMATILIAN FORMATICIAN	1207 IIA+FD(1)+D(2) 1207 IIA+FD(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, AAAAK=(XXEL-XO) BARK=(2,*AAAAK*, 1202 CONTINUE 1201	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC) XXEL=(XC(IIN)+XC) AAAK=(XXEL-XO) BAKK=(XXEL-XO) BAKK	GO TO 1208 1207 IJN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC[IIN)+X(YEL=(YC[IIN)+X(YEL=(YC[IIN)+X(YEL=(Z*AAAK**)))) BARK=(Z*AAAK**) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE(6,501) 501 FORMAT(1H)+20x, IF SSS 5 GO 1000)
WRITE (5,502)SSS, LOAD 502 FORMAT(1H, 'CRIT.LENGTHS FOR SFCTION'F3.1,4H ,'AXIAL LOAD: WRITE (5,503) IXBART, IYBART, IW,KT,AREA,E,G,YD 503 FORMAT(1H,0,'SECT.PROPS.IX=F7.2,' IY=F7.2,' IH='F7.2,' KT=' 1 A=158_2,1 = "E8.1,' G=158_1,' YD=158_2,1 C COMPUTE CRIT.LENGTH CORREOSPONDING TO BUCKLING ABT XX AXIS DIE=3.1459 LESORT(1ELE*PIE*E*IXBART)/LOAD) WRITE(6,505)LX 505 FORMAT(1H, 10X,'CRIT.LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) C SONLY CRIT.LENGTH LAT.TORSIDMAL BUCKLE C SOFE PIE*PIE*E*IYBART C SOFE PIE*PIE*IXBARTAACO I SOFE PIE*IXBARTAACO I SOFE PIE*IXBARTAACO I SOFE PIE*IXBARTAACO I SO	1207 11N=K+D(1)+D(2)	1207 110#K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, AAAMK=(XXEL-XD) BARK=(2.*AAAMK* 1202 CONTINUE 1201 CONTINUE	1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL=(YXEL-XO))) AAAK=(XYEL-XO) BARK=(Z.*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LERIT, CC HRITE(6,501) FOR MATIE(6,501) FOR MATIE(6,501) FOR MATIE(6,501)	JANETIN+1 0 JANETIN+1 1207 IIN=K+D(1)+D(2) LIM=IIN+1 1208 CONTINH-1 XYEL=(YC(IIN)+Y, IZOZ CONTINUE 1201 CONTINUE REGERAN (LERT, CC WRITE(6,501) FORGRAN (LRI, COX, FORGRAN (L	JUNETIN+1 GD 70 1208 GD 1208 LINETIN-1 1208 CONTINUE XYEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(Z * AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 FRISCA LERIT, CI MRITE(6,501) 15 15 55 55 100.1 15 15 55 55 55 100.1	JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D(1)+D(2) LIN=IN+1 LIOB CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE LOOI CONTINUE PROGRAM LCRIT,C(WRITE(6,501) FF SSS, FO,100,1 FF SSS, FO,100,1	JJN=IIN+1 60 TO 1208 IIN=K+D[1]+D(2) LIN=IN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) CONTINUE CONTINUE PROGRAM LCRIT,C WRITE(6,501) WRITE(6,501) FORMATICNO	JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=IN-11 1208 CONTINUE XXEL=(XC(IIN)+X; XYEL=(XC(IIN)+X; AAAK=(XXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,C(HRITE(6,501) FF NESS, FO, 100.1 FF NESS, FO, 100.1	JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+DI]+D(2) LIN=K+DI]+D(2) LIN=IN+I LIN=I LIN=IN+I LIN=I L	JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[2]+D[2] AAAK=(XFL-XD]+D[2] BARK=(Z,*AAAK*) LIZOZ CONTINUE LIZOZ CONTINUE ROGRAM LCRIT,CU PROGRAM LCRIT,CU PROGRAM LCRIT,CU FROGRAM LCRIT,CU FROGRAM LCRIT,CU FROGRAM LCRIT,CU	JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LOB CONTINUE XXEL=(XC(IIN)+X; XYEL=(XC(IIN)+X; AAAAK=(XKEL-XD) BARK=(2,*AAAK* 1202 CONTINUE TOOI CONTINUE PROGRAM LCRIT,C(WRITE(6,501) FF NSS, FO, 100, 1 FF NSS, FO, 100, 1	JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1M=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK*) 1202 CONTINUE 1201 CONTINUE C REGGRAM LCRIT,CC C MRITE(6,501) 501 FORMATICH1,COX	JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1M=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK*) 1202 CONTINUE 1201 CONTINUE C REGGRAM LCRIT,CC C MRITE(6,501) 501 FORMATICH1,COX	JJN=IIN+1 GO TO 1208 1207 IJN=IK+01(1+bf2) LJN=IK+01(1+bf2) LJN=IK+01(1+bf2) XXEL=(X(IIN)+XY XYEL=(X(IIN)+XY XYEL=(X(IIN)	JJN=1IN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=K+D(1)+D(2) JJN=K+D(1)+D(2) XXEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X,X,Y,Z,X,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,	JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XO) BARK=(Z,*AAAKK*) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATITHILE IF SSS 5010001	JJN=1IN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=K+D(1)+D(2) JJN=K+D(1)+D(2) XXEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X,X,Y,Z,X,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,Z,	JJN=IIN+1 GO TO 1208 1207 IJN=IK+01(1+bf2) LJN=IK+01(1+bf2) LJN=IK+01(1+bf2) XXEL=(X(IIN)+XY XYEL=(X(IIN)+XY XYEL=(X(IIN)	JJN=[IN+1] 60 TO 1208 1207 IIN=K+DI]+D(2) 1.M=IN+1, 1208 CONTINUE XXEL=(XC[IIN)+X XXEL=(XC[IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMATITH,COX	JANETIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=TIN+1. 1208 CONTIN+1. XYEL=(XC(IIN)+X, AAAAK=(XYEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM (LRIT, CC WRITE(6,501) FORGRAM (LRIT, COX, FOL) FORGRAM (LR	JOAN 11 No. 1 1207 IIN=K+D(I)+D(2) 1208 CDNTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL-XD)))) AAAK=(XYEL-XD) BARK=(Z.*AAAK+ 1202 CDNTINUE 1201 CONTINUE PROGRAM LCRIT, CC WRITE(6,501) FOR STANDARY (ILHI, 20X) FOR STANDARY (ILHI, 20X) FOR STANDARY (ILHI, 20X) FOR STANDARY (ILHI, 20X) FOR STANDARY (ILHI, 20X)	1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X(YEE=YC(IIN)+X(YEE=YC(IIN)+X(YEE-XD) AAAK=(XXEL-XD) 1202 CONTINUE 1201 CONTINU	1207 110#K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, AAAMK=(XXEL-XD) BARK=(2.*AAAMK* 1202 CONTINUE 1201 CONTINUE	GO TO 1208 1207 IIN+FD(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XEL-XY) AAAK=(XEL-XY) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C MRITE(6,501) 501 FORMATICH1,COX	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC C MRITE(6,501) FORMATICHI,COX	1207 110=K+D(1)+D(2)
C PRINT OUT ITTE AND THEN ECHO CHECK DATA WRITE (5,502)SSS.LOAD 11 WRITE (5,502)SSS.LOAD SOU WRITE (5,503) IXBAT, IYBARR, IW, KT, AREA, E, G, YD 11 A=+ER_2, ==-FR_1, I G=+FR_2, I V=+F7_2, I V=+F7_2, KT=+ C CONDUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ART XX AXIS LX=SQRI(LPIE*PIE*E*IXBART)LLOAD) WRITE(6,503)LX SOLVE CRIT LENGTH LAT. TORSIONAL BUCKLE AZ=PIE*PIE*E*IYBART AZ=CAAT CZ=PIE*PIE*E*IN AZ=CAACH AZ=CAACH CZ=PIE*PIE*E*IN AZ=CAACH AZ=CACH	1207 IG 1208 1207 IG 1208 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XG) BARK=(XXEL-XG) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC HRITE(6,501) 501 FORMAT(IH1,20X,	GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XV YYEL=(YC(IIN)+YV AAAK=(XEL-XO) AAAK=(Z-*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, C(MRITE(6,501) 501 FORMAT(1H,20X,	1207 IIN=K+D(1)+D(2) 1208 CDNTINUE 1208 CDNTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z-*AAAAKK 1202 CDNTINUE 1201 CDNTINUE	JAN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JAN=IIN+1, LOS CONTINUE XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORMAT(IH1,20X,	JUN=IIN+1 GD TO 1208 GD TO 1208 JUN=IIN+1 1208 CONTINUE XXEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y AAAK=(XXEL-XD) BARK=(Z.*AAAKK 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI HRITE(6,501) SOI FORMAT(IH,20X,	JUN=11N+1 GD TO 1208 GD TO 1208 LIN=11N+1 LOB CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BAKK=(Z.*AAAKK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI HRITE(6,501) SO1 FORMAT(IH1,20X,	JJN=IIN+1 60 TO 1208 61 TO 1208 JJN=IIN+1 JN=IIN+1 JN=IIN+1 JN=IIN+1 XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAK* CONTINUE CONTINUE CONTINUE FORMAT(IH, 20X,*	JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1. LZOB CONTINUE XXEL=(XC(IIN)+XC) AAAAK=(XXEL-XO) BARK=(Z.*AAAAK* LZOZ CONTINUE LZOZ CONTINUE LZOI CONTINUE SOI FORMAT(IH, 20X,	JUN=IIN+1 GO TO 1208 GO TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI HRITE(6,501) SOI FORMAT(IH+,20X+	JJN=IIN+1 6D TO 1208 6D TO 1208 1207 IIN=K+D[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+X; XYEL=(YC(IIN)+X; AAAAK=(XXEL-XO); BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORMAT(IH,,20X,	JJN=IIN+1 6 TO 1208 6 TO 1208 1207 IIN=K+D[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+X; XYEL=(YC(IIN)+X; AAAAK=(XXEL-XO) BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORMAT(IH, 20X,	JJN=IIN+1 GD TD 1208 1207 IJN=K+D(1)+D(2) 1AM=IN+1. 1208 CONTINUE XXEL=(XC[IIN)+X; XYEL=(YC[IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (1H1,20X,	JJN=IIN+1 GD TD 1208 1207 IJN=K+D(1)+D(2) 1AM=IN+1. 1208 CONTINUE XXEL=(XC[IIN)+X; XYEL=(YC[IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (1H1,20X,	JJN=IIN+1 GD TO 1208 1207 IIN=K+Dil)+D(2) 1JN=IIN+1, 1Z08 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(Z)+AAAK+XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-	JJN=11N+1 GO TO 1208 1207 IN=K+011+012) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XC) BARK=(ZXEL-XC) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE CONTINUE SOI FORMAT(IH1.20X,	JJN=1IN+1 GD TO 1208 1207 IIN=K+DI(1)+D(2) 1.Ab=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAK=(XXEL-XC) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE CD PROGRAM LCRIT, CC HRITE(6,501) 501 FORMAT(1H, 20X,*	JJN=11N+1 GO TO 1208 1207 IN=K+011+012) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XC) BARK=(ZXEL-XC) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE CONTINUE SOI FORMAT(IH1.20X,	JJN=IIN+1 GD TO 1208 1207 IIN=K+Dil)+D(2) 1JN=IIN+1, 1Z08 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(Z)+AAAK+XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-	JUN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LUN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, XYEL=(YC(IN)+Y, XYEL-(YC(IN)+Y, XYEL-(YC(IN)+Y, XYEL-(YC(IN)+Y, XYEL-(YC(IN)+Y, XYEL-(YC(IN)+Y, XYEL-(YC(IN)+Y, XYEL-(YC(IN)+Y, YYEL-(YC(IN)+Y, YYEL-(YC(IN)+	JJN=[IN+1 G TO 1208 1207 11N=K+D(1)+D(2) JJN=IIN+1, XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CDNTINUE 1201 CONTINUE C PROGRAM LCRIT, CC MRITE(6,501) 501 FORMAT(1H1,20X,	1207 IIN=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XEL-XD) BARE(Z-*AAAAKE) 1202 CONTINUE 1201 CONTINUE 1	1207 IIN=K+D(I)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE=(XXEL-XD) AAAKE=(XXEL-XD) BARE(ZXEL-XD) BARE(ZXEL-XD) 1202 CONTINUE 1201 CONTINUE	GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XV YYEL=(YC(IIN)+YV AAAK=(XEL-XO) AAAK=(Z-*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, C(MRITE(6,501) 501 FORMAT(1H,20X,	GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+II 1208 CONTINUE XXEL=(XC(IIN)+X XEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (1H1,20X,	GO TO 1208 1207 IIN=K+D(1)+D(2) 1AM=IN+1, 1208 CONTINUE XKE=(xC(IIN)+X, AAAK=(xKEL-XO) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (1H1.20x,	1207 11N=K+D(1)+D(2)
TESSS.EG.100.) GO TO TOO TOO TOO TOO TOO TOO TOO TOO T	GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501)	1207 IIA=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC HRITE(6,501)	1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(AAAK=(XYEL-XO)) BARK=(ZZAAAK+(ZZAAAK=(ZZAAAK=(ZZAAAK=(ZZAAAK)AAK=(ZZAAAK=(ZZAAAK)AAK=(ZZAAAK+(JANETIN+1 0 JANETIN+1 1208 CONTINEL EXEL=(XC(IIN)+X YYEL=(XC(IIN)+X AAAAK=(XFL-XO) BARK=(2.*AAAK 1202 CONTINUE 1201 CONTINUE C PROGRAM LUETT, CC WRITE(6,501)																						
 | 1207 IIN+1
GD 70 1208
GD 1208
LIN=IIN-1,
1208 CONTINUE
XYEL=(YC(IIN)+X
YYEL=(YC(IIN)+Y
YYEL=(YC(IIN)+Y
AAAK=(Z * AAAK*
1202 CONTINUE
1201 CONTINUE
1201 CONTINUE
1201 CONTINUE
1201 CONTINUE
1201 CONTINUE
1201 CONTINUE
1201 CONTINUE | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1. LOB CONTINUE XXEL=(XC(IIN)+X; XYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,CI HRITE(6,501) | JJN=IIN+1 60 TO 1208 IIN=K+D[1]+D(2) LIN=IIN+1 CONTINUE CONTINUE YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* CONTINUE PROGRAM LCRIT,C(| JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LINBIN-1 LOB CONTINUE XXEL=(XC(IIN)+X AAAK=(XKEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D(1)+D(2) LIN=IIN+1 LOB CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,CC MRITE(6,501)
 | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=KPI11+D(2) LINE_IIN+1 LIOB CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE MRITE(6,501) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[I]+D[2] LIN=IK+D[I]+D[2] LOB CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501) | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1108_IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501) | JJN=IIN+1 GD TO 1208 1207 IJN=K+D(1)+D(2) JJN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO) BARK=(Z,*AAAKK*) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501)
 | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IIN=K+P(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501) | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501) | JJN=IIN+1 GD TO 1208 1207 IJN=K+D(1)+D(2) JJN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO) BARK=(Z,*AAAKK*) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501)
 | JJN=[IN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X
YYEL=(XC(IIN)+X
AAAK=(XXEL-XO)
BARK=(Z,*AAAAK*
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT,CC
HRITE(6,501) | JANETIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=TIN+1. 1208 CONTINUE XYEL=(XC(IIN)+X, XY | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1.M=IN+I 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, AAAAK=(XYEL-XO) BARK=(Z;*AAAAK= 1202 CONTINUE 1201 CONTINUE C PROGRAM UERT; CC HRITE(6,501) | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEE=YC(IIN)+Y(YEE=YC(IIN)+Y(YEE=YC(IIN)+Y(YEE=YC)+D(X(YEE)+Y(YEE) | 1207 IIA=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC HRITE(6,501) | GO TO 1208 1207 IIN+FAD(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XYEL-XD)+Y AAAK=(XYEL-XD)+Y BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC HRITE(6,501)
 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC HRITE(6,501) | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(X*EL-XO) BARK=(Z,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC HRITE(6,501) |
| OU TOWNAIT INTELLEMENT INCAL LENGTHS ARE AS BELOW'///) FIGSS.EQ.100.9 GO TO 10000 BRINT OUT TITLE AND THEN ECHO CHECK DATA WRITE (6,502)SSS.LOAD SOZ FORMAT(IH.0.'SECT.PROPS.IX='FT.2.' IY='F7.2' IW='F7.2', I | 1207 IG 1208 1207 IG 1208 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XG) BARK=(XXEL-XG) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | 1207 110=K+D(1)+D(2) | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE (XXEL-XD) BARK=(Z,*AAAAKE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | JAN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JAN=IIN+1. LOS CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD); BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC LOSTICAL AND LOSTICA | JUN=IIN+1 GD TO 1208 GD TO 1208 JUN=IIN+1 1208 CONTINUE XXEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y AAAAK=(XXEL-XD) BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE HOTTE(A GO) | JUN=1[N+1] GD TO 1208 GD TO 1208 LUN=1[N+1] | JJN=IIN+1 60 TO 1208 61 TO 1208 JJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(XXEL-XO) BARK=(ZXEL-XO) PAGRAM LCRIT, CONTINUE CO | JUN=IIN+1 GD TO 1208 GD TO 1208 LION INN=K+D(1)+D(2) LIN=IN+1 LION CONTINUE YYEL=(Y((IN)+Y(AAAAK=(XXEL-XO) BARK=(Z:*AAAAK* 1202 CONTINUE 1201 CONTINUE LOTTE(A. EQ) | JUN=IIN+1 GO TO 1208 GO TO 1208 LIN=K+Dill+Di2) LAN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE HOTTE(A. 601) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D(I)+D(2) LAM=IIN+1. 1208 CONTINUE YYEL=(YC(IIN)+X; AAAAK=(XXEL-XO); BARK=(Z-XAAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE | JJN=IIN+1 GD TO 1208 GD TO 1208 LOT IIN=K+DII)+D(2) LOB CONTINUE XXEL=(XC(IIN)+X; AAAAK=(XXEL-XO) BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CL HOTTE(A FOI) | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) LIN=IN+1 1208 CONTINUE XXEL=(XC[IIN)+X XXEL=(XC[IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC LOTIFICA CONTINUE LOTIFICA CONTIN | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) LIN=IN+1 1208 CONTINUE XXEL=(XC[IIN)+X XXEL=(XC[IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC LOTIFICA CONTINUE LOTIFICA CONTIN | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(Z)+Z)+Z)+Z)+Z) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARCE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | JJN=1IN+1 GD TO 1208 1207 IN=K+D(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YPC)+D(YPE)=(YPE)+D(Y | JJN=1IN+1 GD TO 1208 1207 IIN=K+DI(1)+D(2) 1AN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XO) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | JJN=1IN+1 GD TO 1208 1207 IN=K+D(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YPC)+D(YPE)=(YPE)+D(Y | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(Z)+Z)+Z)+Z)+Z) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARCE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | JUN=TIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LUN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(XXEL-XD) BARN=(XXEL-XD) BARN=(XXEL-XD) 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC LOTTE(X, EQ. 1) | JJN=[IN+1
G TO 1208
1207 1IN=K+D(1)+D(2)
JJN=IIN+1,
XXEL=(XCIIN)+X,
XYEL=(YC(IIN)+X,
YYEL=(YC(IIN)+X,
AAAAK=(XXEL-XD),
BARK=(Z,*AAAAK*
1202 CDNTINUE
1201 CONTINUE
PROGRAM LCRIT, CC
LOTTE(E, EQ. 1) | 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XXEL-XD) BARK=(Z,*AAAAKE 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC L BARGEM LCRIT, C | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | 1207 110=K+D(1)+D(2) | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+II 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | 1207 110=K+0f(1)+0f(2) | 1207 1108 1208 1207 1108 1208 |
| 501 FORWAT(1H1,20x,'CRITICAL LENGTHS ARE AS BELOW'///) FINSES, EQ. 100. 5 GO TO 1000 BRINT DUIT TITE AND THEN ECHD CHECK DATA WRITE (6,502)SSS,LOAD 502 FORWAT(1H-,'CRIT.LENGTHS FOR SECTION'F3.1,4H ,'AXIAL LOAD 1. ARIZE (4,503) IXBART,IYBARY,IW,KT,AREA,F,G,YD 503 FORWAT(1H-,'SECT.PROPS.IX-F17.2,' IV='F7.2,' IW='F7.2,' KT=' 1. ARIZE (2,503) IX PROPS.IX-F17.2,' YP='F7.2,' IW='F7.2,' KT=' 1. ARIZE (5,503) IX PROPS.IX-F17.2,' YP='F7.2,' IW='F7.2,' KT=' 1. ARIZE (5,503) IX RATI, LOAD IN TO PUCKLING ABT XX AXIS PIE 3.14159 IX=SORWAT(1H-,10X,'CRIT.LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) SOLVE CRIT.LENGTH LAT.TORSIDNAL BUCKLE AZ=DIE*PIE*E*IN AZ=LOAD*BR*LOAD*BR*N-AZ*RA AZ=LOAD*BR*RA-AZ*RARA-AZ*RA AZ=LOAD*BR*RA-AZ*RARA-AZ*RA AZ=ICAAZ*LT.0.160 TO 1301 AI=SORI(I-BBZ*SORI(BRZ*BRZ-A*AZ*CC))/(2.*AAZ)) AI=SORI(I-BBZ*SORI(BRZ*BRZ-A*AZ*CC))/(2.*AAZ)) AI=SORI(I-BBZ*SORI(BRZ*BRZ-A*AZ*CC))/(2.*AAZ)) BI=SORI(I-BBZ*SORI(BRZ*BRZ-A*AZ*CC))/(2.*AAZ)) BI=SORI(I-BBZ*SORI(BRZ*BRZ-A**AZ*CC))/(2.*AAZ)) BI=SORI(I-BBZ*SORI(BRZ*BRZ*A**AZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC))/(2.*AAZ*CC)/ | GD TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XEL-YO) BARK=(Z-*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT-CC | 1207 11 14 17 17 18 18 18 18 18 18 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CDNTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(AAAAK=(XEL-XD)) BARK=(ZZAAAAK=(ZZCDNTINUE 1201 CDNTINUE 1201 CONTINUE C PROGRAM LOEIT-CC | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 1208 CONTINU-X XYEL=(YC(IIN)+Y, XY | JUN=11N+1 GD 70 1208 GD 01 1208 LIN=11N+1 1208 CONTINUE XYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(Z **AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.C
 | JUN=11N+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; XYEL=(YC(IIN)+X; AAAAK=(XKEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.CC | JJN=IIN+1 60 TO 1208 IIN=K+D[1]+D(2) JJN=IIN+1 CONTINUE CONTINUE YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* CONTINUE CONTINUE FROGRAM LCEIT-CO | JJN=IIN+1 60 T0 1208 60 T0 1208 1207 IIN=K+D[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.CC | JUN=IIN+1 GD TO 1208 GD TO 1208 ILOT IIN=K+DI]+D(2) LUN=IIN+I 1208 CONTINUE XXEL=(XC(IIN)+X(XYEL=(XC(IIN)+X(XYEL=(XEL-XD)) BARK=(Z,*AAAAK*) 1202 CONTINUE 1201 CONTINUE PROGRAM LCFIT-CO | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=K+D[1]+D[2] LJN=IIN+1 LJNB=IIN+1 IZOB CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(X-KCL-XD) BARK=(2-*AAAK** 1202 CONTINUE IZO1 CONTINUE PROGRAM LCRIT-CI
 | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LOS CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD); BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.CC | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1.M=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT*CC | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1.M=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT*CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL-XD))+D(XEL-XD)) BARK=(X-XD) BARK=(X-XD) C PROGRAM LETT-CC C PROGRAM LETT-CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT.CC
 | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT*CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT.CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL-XD))+D(XEL-XD)) BARK=(X-XD) BARK=(X-XD) C PROGRAM LETT-CC C PROGRAM LETT-CC | JJN=IIN+1 60 TO 1208 1207 IIN=K+Dil)+D(2) 1208 CONTINUE XXE=(XX(IIN)+XY YYEL=(YX(IIN)+XY AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT.CC | JJN=11N+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LIM=TIN+1. 1208 CONTINUE XYEL=(XC(IIN)+X, AAAK=(XYEL-XD): BAKE=(Z,*AAAK+ 1202 CONTINUE 1201 CONTINUE C PROGRAM LCEIT.CC
 | 1207 IIN*I 60 T0 1208 1207 IIN=K+D(I)+D(2) 1.M=IN*I 1208 CONTINUE 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE | 1207 IIA=K+D(1)+D(2) 1208 IIA=IIA=IIA=IIA=IIA=IIA=IIA=IIA=IIA=IIA | 1207 11 14 17 17 18 18 18 18 18 18 | GO TO 1208 1207 IIN=K+D(1)=D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAAK=(XKEL-XD)+X, AAAAAAK=(XKEL-XD)+X, AAAAAAK=(XKEL-XD)+X, AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | 1207 110=K+0[1]+D[2]
 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XEL-XD) BARK=(Z-XAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LEIT-C |
| ### FEG. FORMAT | 1207 IGN=K+D(1)+D(2) 1.1/h=I/h+I 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XC) BARK=(XXEL-XC) 1202 CONTINUE 1201 CONTINUE | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1.008 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YE(IIN)+X(YEL=(YC(IIN)+X(YEL-(YC))+X(YE(YE(YE)+X(YE(YE(YE))+X(YE(YE(YE)+X(YE(YE(YE))+X(YE(YE(YE(YE))+X(YE(YE(YE(YE))+X(YE(YE(YE(YE | 1207 IIN=K+D(I)+D(2) 1208 IONTINE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XXEL-XD) BARK=(XXEL-XD) BARK=(ZXEL-XD) 1202 CDNTINUE 1201 CONTINUE | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1. LOB CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, AAAMK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z,*AAAAKK* 1202 CONTINUE
 | JJN=IIN+1 GD TO 1208 GD TO 1208 JJN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(XXEL-XD) BARK=(CAAAAK* 1202 CONTINUE | JUN=1[N+1] GD TO 1208 GD TO 1208 LIN=IN+1] LOS CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BAKK=(XXEL-XD) BAKK=(XXEL-XD) 1202 CONTINUE | JJN=IIN+1 6G TO 1208 6D TO 1208 JJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE CONTINUE | JUN=11N+1 GD TO 1208 GD TO 1208 LION TIN=K+D(1)+D(2) LIN=IN+1 LOB CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XIN)E LION CONTINUE | JUN=IIN+1
GO TO 1208
GO TO 1208
LUN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XXEL-XO)
BARK=(XXEL-XO)
BARK=(XXEL-XO)
BARK=(XXEL-XO)
CONTINUE
 | JJN=IIN+1 6 D 1208 6 D 1208 1207 IIN=K+D[1]+D(2) 14 JA=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X AAAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) 1202 CONTINUE | JJN=IIN+1 60 TO 1208 60 TO 1208 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) 1202 CONTINUE | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(I)+D(2) 1.1N=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(I)+D(2) 1.1N=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE | JJN=IIN+1 60 TO 1208 1207 IIN=K+011+0(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(XEL-XEL-XE))+X(YEL=(XEL-XEL-XE))
BARK=(XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL- | JJN=1IN+1 60 TO 1208 1207 IIN=K+011+0(2) 1AM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YPC)+YPC)+YPE)=(YPC)+YPC)+YPE)=(YPC)+YPC)+YPC)+YPC)+YPC)+YPC)+YPC)+YPC)+ | JJN=1IN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 1.1N=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)= | JJN=1IN+1 60 TO 1208 1207 IIN=K+011+0(2) 1AM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YPC)+YPC)+YPE)=(YPC)+YPC)+YPE)=(YPC)+YPC)+YPC)+YPC)+YPC)+YPC)+YPC)+YPC)+ | JJN=IIN+1 60 TO 1208 1207 IIN=K+011+0(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(XEL-XEL-XE))+X(YEL=(XEL-XEL-XE)) BARK=(XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-
 | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) 1202 CONTINUE | JAN = [IN+1
G TO 1208
1207 1IN=K+D(1)+D(2)
JAM=IIN+1,
LAM=IIN+1,
XXEL=(XCIIN)+X,
XYEL=(YC(IIN)+X,
YYEL=(YC(IIN)+X,
AAAAK=(XXEL-XD);
BARK=(XXEL-XD);
BARK=(XXEL-XD);
1202 CDNINUE | 1207 IIN=K+D(I)+D(2) 1208 ION=IN=IN+IN 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XXEL-XD) BARK=(XXEL-XD) 1202 CONTINUE 1201 CONTINUE | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC))+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YE(II)+X(YE(II)+X(YE(II)+X(YE(II) | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1.008 CONTINUE
XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YE(IIN)+X(YEL=(YC(IIN)+X(YEL-(YC))+X(YE(YE(YE)+X(YE(YE(YE))+X(YE(YE(YE)+X(YE(YE(YE))+X(YE(YE(YE(YE))+X(YE(YE(YE(YE))+X(YE(YE(YE(YE | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+I, 1208 CONTINUE XKEL=(XC(IIN)+X, XKEL=(XC(IIN)+X, AAAK=(XKEL-XO), BARK=(XKEL-XO), BARK=(XKEL-XO), 1202 CONTINUE 1201 CONTINUE | GO TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+X
XYEL=(YC(IIN)+X
AAAK=(XYEL-XD)
BARK=(XYEL-XD)
1202 CONTINUE
1202 CONTINUE | 1207 IN=K+D(1)+D(2) 1.04=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BARK=(XXEL-XD) 1202 CONTINUE 1201 CONTINUE |
| C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MDG RRITE(6,501) 501 FCRMAT(1H, 20x, 'CRITICAL LENGTHS ARE AS RELOW'///) FF15SS, EQ. 100.) 50 TO 100.0 G RRITE (6,502) IXBAT, IYBART, IWAKT, AREA, F.G. YO 502 FCRMAT(1H, 'CRIT, LENGTHS FOR SFCTION'F3.1,4H ,'AXIAL LOAD) 11 | GD TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XEL-XD)
BARK=(2,*AAAK*) | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(XEL=(XC(IIN)+X(XEL-XC))+X(XEL-XC) AAAK=(XXEL-XC) 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC AAAAK=(XXEL-XD)+XC BARK=(Z.*AAAAK= 1202 CONTINUE | JON= IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JAM=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XO)*
BARK=(2,*AAAK*)*
 | JJN=IIN+1 60 TO 1208 61 TO 1208 LIN=K+DIIJ+D(2) LIN=IIN+1 CONTINUE XXEL=(XC(IIN)+X(AAAK=(XXEL-XO)* BARK=(2.*AAAAK*) | JJN=IIN+1 6D 1208 IIN=K+D[1]+D[2] LIN=IN+1 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XC) BARK=(2.*AAAK*) | JJN=[IN+] GO TO 1208 IIN=IN+IN+I CONTINUE XXEL=[XC(IIN)+XC AAAK=(XXEL-XO)* BARK=(2.*AAAK*) | JJN=IIN+1 GG TG 1208 IIN=K+D[1]+D[2] LIN=IN+1 CGNTINUE XXEL=(XC(IIN)+YC AAAAK=(XYC(IIN)+YC AAAAK=(XYC(IIN)+YC GGNTINUE BARK=(2.*AAAAK*) | JUN=1[N+1
60 TO 1208
IIN=K+D[1]+D[2]
LIN=IN+1
CONTINUE
XXEL=[XC(IIN]+XC
YYEL=[YC(IIN]+YC
AAAK=(XXEL-XO)+YC
BARK=(2.*AAAK*)
 | JJN=[IN+] GD TO 1208 II IN=K+D1[1+D(2) LIN=IN+IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-I | JJN=IIN+1 GD TO 1208 IIN=K+D[1]+D[2] LIN=IN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y RAAK=(YZEL-XO)+ BARK=(Z **AAAK*) | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[I]+D[2) 1AB=IIN+1. 1208 CONTINUE XXEL=(XCIIIN)+XC XXEL=(XCIIIN)+XC AAAK=(XEL-XCIIIN)+YC BARK=(2,*AAAK*) 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[I]+D[2) 1AB=IIN+1. 1208 CONTINUE XXEL=(XCIIIN)+XC XXEL=(XCIIIN)+XC AAAK=(XEL-XCIIIN)+YC BARK=(2,*AAAK*) 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JIM=IIN+1,
1208
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XEL-XO)+YC
BARK=(2,*AAAK*) | JJN=IIN+1 G0 T0 1208 1207 IIN=K+0[1]+D[2] 11N=K+0[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC AAAK=(XEL-XC)+AAAK*1 1202 CONTINUE BARK=(Z,*AAAAK*1 | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(I)+D(2) 1.NB=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAK=(XFC-XC)+AAAK*1 1202 CONTINUE BARK=(2,*AAAAK*1) 1203 CONTINUE | JJN=IIN+1 G0 T0 1208 1207 IIN=K+0[1]+D[2] 11N=K+0[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC AAAK=(XEL-XC)+AAAK*1 1202 CONTINUE BARK=(Z,*AAAAK*1 | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JIM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIIN)+XC
YYEL=(YC(IIIN)+XC
AAAK=(XEL-XC)+
BARK=(2,*AAAK*)
 | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAK=(XXEL-XD)*
BARK=(2,*AAAK*) | JN=11N+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X(AAAK=(XXEL-XO)+X(BAKE=(ZXAAAK=(XXEL-XO)+XO)+X(AAAK=(ZXAAAX=(ZXA | JUNE IN + 1
GD TO 1208
1207 IIN=K+D(I)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(XC(IIN)+XC
AAAAK=(XXEL-XD)+
BARK=(2.*AAAAK=
1202 CONTINUE | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XD)+XC BARK=(Z.*AAAK= | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(XEL=(XC(IIN)+X(XEL-XC))+X(XEL-XC) AAAK=(XXEL-XC) 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE
 | GO TO 1208
1207 IIA=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAK=(XFL-XD)+
BARK=(2,*AAAK*) | GO TO 1208
1207 IIN=K+D[11+D[2]
14M=IIN+1.
1208 CONTINUE
XXEL=(XCIIIN)+XC
XYEL=(YCIIIN)+YC
AAAK=(XFL-XD)+
1202 CONTINUE
AAAK=12.*AAAK*+ | GO TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XEL-XC)
BARK=(2,*AAAK*) |
| C WRITE(6.501) 501 FORMAT(1H, 50MPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOG WRITE(6.501) 501 FORMAT(1H, 5010) 502 FORMAT(1H, 5010) 503 FORMAT(1H, 5011) 504 FORMAT(1H, 5011) 505 FORMAT(1H, 5011) 505 FORMAT(1H, 5011) 506 FORMAT(1H, 5011) 507 FORMAT(1H, 5011) 508 FORMAT(1H, 5011) 508 FORMAT(1H, 5011) 509 FORMAT(1H, 5011) 50 | 1207 IN=K+D(1)+D(2) 1.1M=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ BARK=(Z-*AAAAK*+ 1202 CONTINUE | 1207 IN=K+D(I)+D(2) 1207 IN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)* BARK=(2,*AAAAK*) 1202 CONTINUE | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ BARK=(2-*AAAAK*) 1202 CONTINUE | JONETIN+1 GO TO 1208 1207 IIN=K+D(I)+D(2) JAN=IIN+1, 1208 CONTINUE XXEL=(XCIIIN)+XC XYEL=(YCIIN)+YC AAAAK=(XXEL-XO)+ BARK=(2.*AAAAK*) 1202 CONTINUE | JJN=IIN+1 GD TO 1208 IIN=K+D[[]+D[2] JJN=IIN+1. CONTINUE XXEL=(XC(IIN)+YC YYEL=(YC(IIN)+YC AAAK=(XXEL-XO)+ BARK=[Z-*AAAAK+)
 | JUN=1[N+] 60 TO 1208 61 TO 1208 1 IN=K+D1]+D(2) JUN=1[N+] CONTINUE XXEL=(XC(I[N)+YC YYEL=(YC(I[N)+YC AAAK=(XXEL-XD)+ BARK=(Z-*AAAKK+) | JJN= IN+1
60 TO 1208
LIN=K+D[1]+D[2]
LIN=IN+1
CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAK=(XXEL-XD)+
BARK=(Z-*AAAAK+) | JUN=11N+1 60 TO 1208 61 TO 1208 11N=1K+D[1]+D[2] 14N=11N+1. CONTINUE CONTINUE CYEL=(YC(IIN)+YC AAAK=(XXEL-XO) BARK=(Z:*AAAAK*) | JJN=[IN+1
6G TO 1208
GO TO 1208
JJN=[IN+1]
JJN=[IN+1]
ZXEL=[XCI [IN] +XC
XXEL=[XCI [IN] +YC
AAAK=[XXEL-XO] +
BARK=[Z-*AAAAK*] | JJN=IIN+1
60 TO
1208
IIN=K+D11)+D(2)
LLN=IIN+1,
CONTINUE
CONTINUE
CONTINUE
CX (C (I I N) +X(
YYEL = (Y (I I I N) +Y(
AAAK= (X X EL - X D) +
BARK = (2 * & AAAAK*) | JJN=IIN+1 60 TO 1208 IIN=K+D1(1)+D(2) LIN=IN+1. CONTINUE CONTINUE YYEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL-XO)+Y(YEL-XEL-XO)+Y(YEL-XO)+Y(YEL-XO)+Y(YEL-XO)+Y(YEL-XO)+ | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 11N=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XO) BAKK=(Z-*AAAKK*) 1202 CONTINUE | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 11N=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BAKK=(Z-*AAAKK*) 1202 CONTINUE | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XC)
BARK=(Z-*AAAAK*)
1202 CONTINUE
 | JJN=1IN+1
GD TO 1208
1207 IIN=K+DI1+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
ANAME=(XXEL-XD)+
BARK=(Z-*AAAAK*)
1202 CONTINUE | JJN=1IN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAARK=(XXEL-XD) BARK=(Z-*AAAAK*) 1202 CONTINUE | JJN=1IN+1
GD TO 1208
1207 IIN=K+DI1+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
ANAME=(XXEL-XD)+
BARK=(Z-*AAAAK*)
1202 CONTINUE | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XC)
BARK=(Z-*AAAAK*)
1202 CONTINUE | JAN= IIN+1 GO TO 1208 1207 IIN=K+D(I)+D(2) JAN=IIN+I. 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XO)+ BARK=(XXEL-XO)+ BARK=(XXEL-XO)+ 1202 CONTINUE
 | JAN=IN+1 GO TO 1208 1207 IN=K+D(1)+D(2) LAN=IN+1. LAN=IN+1. XXEL=(XCIIN)+XC XYEL=(YCIIN)+YC AAAK=(XXEL-XD)+ BARK=(2.*AAAAK+) 1202 CONTINUE | JAN 11N+1
GD TD 1208
1207 IIN=K+D(I)+D(2)
LIM=IIN+1.
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAARE(XXEL-XO)+
BARE(2-*AAAAK*) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)* BARK=(2-*AAAAK*) 1202 CONTINUE | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)* BARK=(2,*AAAAK*) 1202 CONTINUE | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I.
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(YC(IIN)+Y(
AAAAK=(XXEL-XD)*
BARK=(2,*AAAAK*)
1202 CONTINUE
 | 1207 IN=K+D(1)+D(2) 11N=K+D(1)+D(2) 1208 CONTINUE XKEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ BARK=(Z-*AAAAK*+ 1202 CONTINUE | 1207 IN-K+D(1)+D(2) 1208 CONTINU- 1208 CONTINU- XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XD)+ BARK=(Z-*AAAK*+ 1202 CONTINUE |
| 1201 CONTINUE PROGRAM LUSINGUES CRIT LENGTH FOR DIFFERENT BUCKLING MOD FORWATITH, 200, 100 TO 1000 FRITE(6,501) FIGSS: E6,100, 100 TO 1000 FRITE (1,502) SS\$, LOOD 1000 FRITE (1,502) FRITE LENGTH LAT. TORST SP\$, TO X/X AXIS BUCKLE=17.2, TKT=1.2, TKT=1 | GD TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAR=(XXEL-XD)
BARK=(2,*AAAR*) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XO) BARK=(2.*AAAAK*) | 1207 IIN+1
60 T0 1208
1207 IIN+K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAAK=(XYEL-XD)+
BARK=(Z-XEL-XD)+ | JON= IIN+1
GO TO 1208
1207 IIN=K+DI,1+D(2)
JAM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XO)*
BARK=(2,*AAAK*) | JJN=IIN+1
60 TO 1208
IIN=K+D11)+D(2)
LIN=IIN+1.
CONTINUE
XXEL=(XC(IIN)+XC
AAAK=(XEL-XO)*
BARK=(2.*AAAAK*)
 | JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
LIN=IIN+1,
CONTINUE
XYEL=(XC(IIN)+YC
AAAK=(XYEL-XO)
BARK=(2.*AAAAK*) | JJN=IIN+1
60 TO 1208
IIN=K+D[1]+D(2)
JJN=IIN+1
CONTINUE
CONTINUE
YYEL=(YC(IIN)+YC
AAAK=(XYEL-XO)*
BARK=(2.*AAAAK*) | JJN=IIN+1 GG TG 1208 IIN=K+D[1]+D[2] LIN=IIN+1 CGNTINUE XXEL=(XC(IIN)+XC AAAAK=(XYEL=(X) | JJN=IIN+1
60 TO 1208
IIN=K+DII)+D(2)
LIN=IN+1
CONTINUE
XXEL=(XC(IIN)+XC
AAAK=(XYEL-XO)+
BARK=(Z,*AAAAK*) | JJN=[IN+] GO TO 1208 II IN=K+DII J+D(2) LIN=IN+II CONT INUE
XXEL=(XX(IIN)+X(YEL=(YX(IIN)+Y(YEL=(XY(IIN)+Y(YEL=XY(IIN)+Y(YEL=XY)+Y(Y(IIN)+Y(YEL=XY)+Y(Y(IIN)+Y(YEL=XY)+Y(Y(IIN)+Y(YEL=XY)+Y(YEL=XY)+Y(Y(IIN)+Y(YEL=XY)+Y(Y(IIN)+Y(YEL=XY)+Y(Y(IIN)+Y(YEL=XY)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(Y(IIN)+Y(IIN)+Y(Y(IIN)+Y(IIN)+Y(IIN)+Y(Y(IIN)+Y(IIN) | JJN=IIN+1
GD TO 1208
IIN=K+D[1]+D[2]
LIN=IIN+1
CONTINUE
XXEL=(XC(IIN)+YC
AAAAK=(XC(IIN)+YC
AAAK=(XC(IIN)+YC
AAAK=(XEL-XC)+YC | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[1]+D[2] 1108 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAAK=(XFCL-XO)+XC | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[1]+D[2] 1108 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAAK=(XFCL-XO)+XC | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JIN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAR=(XEL-XO)+YC
BARK=(Z-*AAAAK*)
 | JJN=IIN+1 G0 T0 1208 1207 IIN=K+0[1)+D(2) 11N=K+0[1]+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XEL-XO) BARK=(Z,*AAAAK*) | JJN=IIN+1 GD TD 1208 1207 IIN=K+D[I]+D[2] 1108 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC AAAAK=(XFCL-XD)+XC | JJN=IIN+1 G0 T0 1208 1207 IIN=K+0[1)+D(2) 11N=K+0[1]+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XEL-XO) BARK=(Z,*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JIN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAR=(XEL-XO)+YC
BARK=(Z-*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XD)*
BARK=(Z,*AAAK*)
 | JON=11N+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JON=TIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(YC(IIN)+X(
AAAK=(XXEL-XO)*
BARK=(2,*AAAK*) | JAN 1 IN + 1
GD TD 1208
1207 IIN=K+D(I)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XYEL-XD)+
BARK=(Z-XFL-XD)+ | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 11N=11N+1. 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XO)+AAAK*) BARK=(2.*AAAAK*) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XO) BARK=(2.*AAAAK*) | GO TO 1208
1207 IIA=K+DI1+D(2)
11M=IIN+1.
1208 CONTINUE
XXEL=(XCIIIN)+X(
XYEL=(YCIIIN)+X(
AAAK=(XFL-XD)+
BARK=(2,*AAAAK*)
 | GO TO 1208
1207 IIN=K+D[1]+D[2]
1AM=IIN+1.
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(XC(IIN)+YC
AAAK=(XFL-XO)+
BARK=(2,*AAAAK*) | GO TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAR=(XEL-XO)
BARK=(2,*AAAR*) |
| 1201 CONTINUE C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD WRITE(6,501) SOI FORMAT(1H,10X, *CRITICAL LENGTHS ARE AS BELOW!///) FISSS, EG.100.) GOT TO 1000 RITE (5,502) SSS, LOAD SOZ FORMAT(1H, *CRIT, LENGTHS FOR SFCTION*F3.1,4H ,*AXIAL LOAD WRITE (5,503) ITBAR1, ITBA | 1207 IG 1208
1207 IG 140(1)+5(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XC) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1M=IN+IL 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC | JON=IN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JAN=IN+1
LOB CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
XAAAE=(XXEL-XD)+
 | JUN=1[N+] 60 TO 1208 61 TO 1208 1 [N=K+D1] +D(2) 1.0N=1[N+] CONT[NUE CONT[NUE YYEL=(YC(I[N)+YY | JJN=IIN+1
60 TO 1208
LIN=K+D[1]+D[2)
LIN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
XAAAE=(XXEL-XD)+ | JUN=11N+1
60 TO 1208
60 TO 1208
LIN=K+D[1]+D[2]
LIN=IN+1
CONTINUE
CONTINUE
YYEL= (YC(IIN)+YY
YAAAK= XXEL-XD)* | JJN=IIN+1
66 TO 1208
IIN=K+0111+012
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC | JJN=11N+1
60 TO
1208
IIN=K+D11)+D(2)
LIN=IN+1
CONTINUE
CONTINUE
CXEL=(XC(IIN)+YC
YYEL=(YC(IIN)+YC | JUN=11N+1
60 TO 1208
IIN=K+D11)+D(2)
LIN=IN+1
CONTINUE
CONTINUE
CXEL=(XC(IIN)+YC
YYEL=(YC(IIN)+YC | JJN=11N+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
JAB=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=11N+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
JAB=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=IIN+1
GD TD 1208
1207 IIN=K+DI1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
 | JJN=11N+1
GD TO 1208
1207 IIN=K+DI1)+D(2)
JM=11N+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=11N+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JAM=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=11N+1
GD TO 1208
1207 IIN=K+DI1)+D(2)
JM=11N+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=IIN+1
GD TD 1208
1207 IIN=K+DI1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JAN= IIN+1
GO TO 1208
1207 IIN=K+D(I)+D(2)
JAN=IIN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
 | JON=11N+1 GO TO 1208 1207 IN=K+D(1)+D(2) LAN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+YC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+YC AAAAK=(XXEL-XD)+YC AAAAK=(XXEL-XD)+YC XXEL=(XXEL-XD)+YC XXEL-XD)+YC XXE | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+YC YYEL=(YC(IIN)+YC | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 11N=T1N+1, 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1M=IN+IL 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC | GO TO 1208
1207 IIN=K+D(I)+D(2)
11M=IIN+1,
1208 CONTINUE
XYEL=(YC(IIN)+YC
YYEL=(YC(IIN)+YC | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
 | 1207 IN-K+D(1)+D(2) 1207 IN-K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ |
| 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1204 CONTINUE 1205 CONTINUE 1205 CONTINUE 1205 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 CONTINUE 1209 CONTINUE 12 | G0 T0 1208
1207 IIN=K+D(1)+D(2)
11M=IN+IL
1208 CONTINUE
XXEL=(XC(IIIN)+XC
AAAAK=(XFI-XN)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IIN+IIN+II 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEI-XN)+XC | 1207 INN=K+D(1)+D(2) 1207 INN=K+D(1)+D(2) 1207 INN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XFI-XN)+XC | JON=IIN+1
GO TO 1208
1207 IIN=K+DI(1)+D(2)
JON=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-YC(IIN)+YC | JJN=IIN+1
66 TO 1208
GO TO 1208
LIN=IN+1
CONTINUE
CONTINUE
XYEL=(XC(IIN)+YC
AAAAE=(XYE)-XN)+YC
 | JJN=IIN+1 GD TO 1208 IIN=K+D[1]+D[2] LIN=IN+1 CONTINUE XXEL=(XC(IIN)+YC AAAAK=(XYE)-XN)+YC | JJN=[IN+] GO TO 1208 GIN=[IN=K+D[1]+D[2] LIN=IN+IN-IN+IN-IN+IN-IN-Y(IN)+Y(I | JJN=[IN+] GD TO 1208 IIN=K+D[I]+D[2] LIN=IN+I, CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XYE) | JUN=1[N+] 60 TO 1208 1IN=K+D[]+D(2) 1IN=IN+IL CONTINUE XXEL=(XC(IIN)+YC AAAAK=(XYE)-XN)+YC | JJN=[IN+] GD TO 1208
ITIN=K+DI[1+D[2] LIN=IN+I, CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XYEIN-XN)+YC | JJN=[IN+] GO TO 1208 IIN=K+D[I]+D[2] LIN=IN+I CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XYE) | JJN=11N+1 60 T0 1208 1207 11A=K+D11+D(2) 11A=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XC) | JJN=11N+1 60 T0 1208 1207 11A=K+D11+D(2) 11A=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XC) | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 1.NB=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC
 | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(I)+D(2) 1.NB=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(I)+D(2) 1.08=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEI-XN)+YC | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(I)+D(2) 1.NB=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 1.NB=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL=YC(IIN)+YC
 | JON=11N+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-YC(IIN)+YC | JAN 1 IN + 1
GD TD 1208
1207 IIN=K+D(I)+D(2)
1207 IIN=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XFI-XN)+XC | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 110=IN+IN+I 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XFI-XN)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IIN+IIN+II 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEI-XN)+XC | GO TO 1208
1207 IIA=KH-FI 1+D(2)
14M=IIN+1,
1208 CONTINUE
XXEL=(XCIIIN)+XC
AAAAK=(XFI - XN)+XC
 | GO TO 1208
1207 IIA=K+D[1]+D[2]
1AB=IIN+1
1208 CONTINUE
XXEL=(XCIIIN)+XC
AAAAK=(XFI-XN)+YC | GO TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+L
1208 CONTINUE
XXEL=(XC(IIN)+XX
AAAK=(XFI-XN)+XX |
| DATE CONTINUE | G0 T0 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IN=K+D(1)+D(2)
1207 IN=K+D(1)+D(2)
11M=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IN=IN+I 1208 CONTINUE XXEL=(XC(IIN)+XC | JON=11N+1
GO TO 1208
1207 IIN=K+D[1]+D[2)
LIN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
 | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+YC | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=1IN+1 6D TO 1208 IIN=K+D[1]+D[2] JN=IIN+1 CONTINUE XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
IIN=K+DU[]+D(2)
LAM=IIN+1,
LAM=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=1IN+1
6D TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(
 | JJN=IIN+1
GD TO 1208
LIN=K+Dfl]+Df(2)
LIN=K+Dfl]+Df(2)
LIN=K+Dfl]
LIN=K+Dfl]
CONTINUE
XXEL=(XC(IIN)+Y(| JJN=IIN+1
GD TO 1208
LIN=K+DU[]+D(2)
LIN=K+DU[]+D(2)
LIN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=11N+1
GO TO 1208
1207 11N=K+D(1)+D(2)
LJN=11N+1
1208 CONTINUE
XXEL=(XC(11N)+X(| JJN=11N+1
GO TO 1208
1207 11N=K+D(1)+D(2)
LJN=11N+1
1208 CONTINUE
XXEL=(XC(11N)+X(| JJN=IIN+1
G0 T0 I208
I207 IIN=K+D(1)+D(2)
JAN=IIN+1
XXEL=(XCIIN)+XC
YYEL=(YC(IIN)+YC
 | JJN=11N+1 GD TD 1208 1207 IIN=K+D(I)+D(2) 11N=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X(| JJN=11N+1
GO TO 1208
1207 IIN=K+D(I)+D(2)
LIN=IIN+1
LIN=IIN+1
XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+ | JJN=11N+1 GD TD 1208 1207 IIN=K+D(I)+D(2) 11N=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X(| JJN=IIN+1
G0 T0 I208
I207 IIN=K+D(1)+D(2)
JAN=IIN+1
XXEL=(XCIIN)+XC
YYEL=(YC(IIN)+YC
 | JON=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
LAN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JONETIN+1 5 JANETIN+1 6 G TO 1208 1207 IIN=K+D[1]+D[2] 1AN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IIN=I 1208 CONTINUE XXEL=(XC(IIN)+XC | 1207 IIN=K+D(I)+D(2)
1207 IIN=K+D(I)+D(2)
11M=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC | 1207 IN=K+D(1)+D(2)
1207 IN=K+D(1)+D(2)
11M=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+X(
 | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I.
1208 CONTINUE
XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YELE)+Y(YEL | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(| GO TO 1208
1207 IIA=K+D(1)+D(2)
1A=IIA+1
1208 CONTINUE
XXEL=(XC(IIN)+X(|
| 1202 CONTINUE AAAMK*TRES#DUMI)*(17*EL-7U)*(17*EL-7U) 1202 CONTINUE AAAMK*TRES#DUMI)*(1-1,1*BARK 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 12 | G0 T0 1208
1207 IIN=K+D(I)+D(2)
1.DM=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/VFI)=(YC(IIN)+X/VFI)=(YC(IIN)+X/VFI)+X/VFI) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1.M=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, YYEI=(YC(IIN)+X, | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(11N)+X) | JJW=IIN+1
G0 T0 1208
1207 IIN=K+D(1)+D(2)
JJW=EIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/VF)=(YC(IIN)+X/VF)=(YC(IIN)+X/VF) | JUN=IIN+1
6D TO
1208
IIN=K+D(I)+D(2)
JUN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(YYE)=(YC(IIN)+X(YYE)+ | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LJM=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X, | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+I,
CONTINUE
XXEL=(XC(IIN)+X,
YYEI=(YC(IIN)+X, | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X,
YYEI=(YC(IIN)+X, | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+I,
CONTINUE
XXEL=(XC(IIN)+X,
VYEI=(YC(IIN)+X,
 | JJN=IIN+1
GO TO 1208
IIN=K+D(1)+D(2)
LIN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X,
VYEI=(YC(IIN)+X, | JJN=[IN+] 60 T0 1208 IIN=K+D(1)+D(2) LIN=IIN+1, CONTINUE XXEL=(XC(IIN)+X, YYEI=(YC(IIN)+X, | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(XC(IIN)+X, | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(XC(IIN)+X, | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LJN=IIN+1,
1208
CONTINUE
XXEL=(XC(IIN)+X/VFI)=(YC(IIN)+X/VFI)=(| JJN=1IN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/VFI)=(YC(IIN)+X/VFI)=(| JJN=1IN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X/VFI)=(Y | JJN=1IN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/VFI)=(YC(IIN)+X/VFI)=(| JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LJN=IIN+1,
1208
CONTINUE
XXEL=(XC(IIN)+X/VFI)=(YC(IIN)+X/VFI)=(| JJN=[IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XV
VYEL=(XC(IIN)+XV | JJN=[IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/VF)=(YC(IIN)+X/VF)=(YC(IIN)+X/VF) | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(11N)+X) | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(11N)+X)
 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1.M=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, YYEI=(YC(IIN)+X, | GO TO 1208
1207 IIN=K+D(1)+D(2)
1.M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/YEI=(YC(I | GO TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/VFI)=(YC(IIN)+X/VFI)=(| G0 T0 1208
1207 IIN=K+D(1)+D(2)
1.M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/VFI)=(YC(IIN)+X/VFI)=(YC(IIN)+X/VFI)+X/VFI) |
| AAAAKE XXEL-X01*(XXEL-X01)*(YYEL-Y0) BARK-I2.*AAAAK*TRES*DUM!)*(-1.)*BARK 1202 CONTINUE C PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD C PROGRAM CRIT.LENGTH AND THEN ECHOL CHECK DAIA FISS.C.60.100.) GO TO 1000 C PRINT CRIT.LENGTH SCRITCAL LENGTHS FOR SECTION*F3.1,4H TEISS.C.60.100.) GO TO 1000 D PRINT CRIT.LENGTH SCRIT.LENGTH SCRIT.C. IN=*F7.2,* KT=* TALEA.2.1.E.FEA.1.* G=*EA.1.* YN=*F5.2,* KT=* C CHET LENGTH CORREGSPONDING TO BUCKLING AND X X X X IS D FE=3.1459 LX=SQRI(LDIE*PIE*EXTYBART TORSIGNAL BUCKLE C CHET LENGTH LAT.TORSIGNAL BUCKLE AZ=DIE*PIE*EXTYBART C C=*A CAX*T C C C=*A | GD TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X | GO TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(| 1207 11N+1
60 T0 1208
1207 11N+K+D(1)+D(2)
11N+K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(11N)+X(| JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(
 | JJN=IIN+1
GD TO 1208
IIN=K+D(I)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
LIN=K+D(1)+D(2)
LJN=INN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
JJM=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(
 | JJN=IIN+1
GD TO 1208
LIN=K+D(I)+D(2)
LIN=IN+1
CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
GD TO 1208
LIN=K+D(I)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
6D TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+1.
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
6D TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+1.
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=11N+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X
 | JJN=IIN+1
60 T0 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
60 T0 1208
1207 IIN=K+D(1)+D(2)
1JN=IIN+I,
1JN=IIN+I,
1ACOB CONTINUE
XXEL=(XC(IIN)+X' | JJN=IIN+1
60 T0 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=11N+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+IA
1208 CDMTINUE
XXEL=(XC(IIN)+X
 | JJN=[IN+1
6D TD 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+I.
1208 CONTINUE
XXEL=(XC(IIN)+X | 1207 IIN+1
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(| GO TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X(| GD TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+I.
1208 CONTINUE
XXEL=(XC(IIN)+X
 | 60 T0 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X | GD TD 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+IA
1AN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X |
| AAAAK=(YC(IIN)-YC(IJANI-YC(I)ANI-YC(IJANI-YC(I))-YC(II)-YC(I)-Y | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I,
1208 CONTINUE | GO TO 1208
1207 IIN=K+D(I)+D(2)
1AN=IIN+I,
1208 CONTINUE | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1
1208 CONTINUE
 | JJN=IIN+1
GO TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1
CONTINUE | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LLM=IIN+1,
CONTINUE
 | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1
1208 CONTINUE | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1
1208 CONTINUE | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.JN=IIN+1.
1208 CONTINUE
 | JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.1N=IN+1
1208 CONTINUE | JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.1N=IN+1
1208 CONTINUE | JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.1N=IN+1
1208 CONTINUE | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.JN=IIN+1.
1208 CONTINUE
 | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1
1208 CONTINUE | JJN=[IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1,
1208 CONTINUE | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE | 1207 11N=K+D(1)+D(2) 1.208 CONTINUE | GO TO 1208
1207 IIN=K+D(I)+D(2)
1AN=IIN+I,
1208 CONTINUE
 | GD TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1,
1208 CONTINUE | GO TO 1208
1207 IIN=K+D(I)+D(2)
11M=IIN+1,
1208 CONTINUE | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1,
1208 CONTINUE | | |
| AAAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AND CANTINIE AND CANTINIE AND CANTINIE AAE-TZS. | 1207 | 1207 | 1207 | 1207 |
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 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | | | |
| XXEE=(XC(IIN)+XC(JJMI)/2. AAAAK=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BAAK=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) 1201 CANTINUE C PRIGRAM LERIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MON WITE (6,501) 501 FORMAT(1H1,20X,*CRITICAL LENGTHS RE AS BELOW!///) FORMAT(1H1,20X,*CRITICAL LENGTHS RE AS BELOW!///) FORMAT(1H1,20X,*CRITICAL LENGTHS RE AS BELOW!///) FORMAT(1H1,20X,*CRITICAL LENGTHS FOR SECTION*F3.1,4H ,*AXIAL LOAD- ARITE (6,503) IXBART, IYBART, IYHKT, AREA, F.G., YO FORMAT(1H1,0X,*CRIT.LENGTHS FOR SECTION*F3.1,4H ,*AXIAL LOAD- HRITE (6,503) IXBART, IYBART, IYHKT, AREA, F.G., YO FORMAT(1H1,0X,*CRIT.LENGTHS FOR SECTION*F3.1,4H ,*AXIAL LOAD- ARITE (6,503) IXBART, IYBART, IYHKT, AREA, F.G., YO FORMAT(1H1,0X,*CRIT.LENGTH W.R. TO X/X AXIS BUCKLE=*F7.2) C CPPIESPIESE*(FEETYBART TORSIONAL BUCKLE AZ=PIESPIE FEE*(FEETYBART TORSIONAL BUCKLE C CAPIE FEET FEETYBART C CAPIE FEETYBART C CAPIE FEET FEETYBART C CAPIE FEET FEETYBART C CAPIE FEET FEETYBART C CAPIE FEET FEETYBART C CAPIE FEETYBART C CAPIE FEET FEETYBART C CAPIE FEET FEET FEET FEET FEET FEET FEETYBART C CAPIE FEET FILL COAD TO 1303 C COAD 1302 C COAD 1302 C CAPIE FEET FEET FEET FEET FEET | 1207 | 1207 | 1207 | 1207 |
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| 1208 CONTINUE XXEL=IXC(IINI+XC(JJM1)/2. YYEL=IXC(IINI+YC(JJM1)/2. AAAM*=IXXEL-XO)*(IXXEL-YO)*(IVYEL-YO) 1202 CONTINUE 1201 CONTINUE C DANTINUE C CONTINUE C FRANT LITLE AND THEN ECHD CHECK DAIA WRITE (\$,501.00.1 GOT 10.00 C FRANT CHI TILE AND THEN ECHD CHECK DAIA WRITE (\$,502.10.0.1 GOT 10.00 D FORMAT (IH, 20X, 'CRITICAL LENGTHS ARE AS BELOW'///) IF (\$,502.553.10.00) D FORMAT (IH, 'CRIT.LENGTHS FOR SECTION'F3.1,4H 'AXIAL LOAD- ARTIE (\$,503.1 XXART, ITHRARY, IT | 1207 | 1207 | 1207 | 1207 |
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 | | | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | | | |
| 1200 CONTINUE AAA(= (IXXEL-XC, JANI) / 2. YEEL-(XC(IIN)+YC(JANI) / 2. YEEL-(XC(IIN)+YC(JANI) / 2. YEEL-(XC(IIN)+YC(JANI) / 2. AAA(= (IXXEL-XO) * (XXEL-XO) * (YYEL-YO) * (YYEL-YO) * (XXEL-YO) * | 1001 | 1000 | | |
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 | | | | |
 | | | | 1000 | 1000
 | 1000 | | | |
| 1209 CONTINUE XXEL=(XC(IIN)+XC(JJN))/2. XXEL=(XC(IIN)+XC(JJN))/2. AAAAK=(XCLXC)+(XXEL-XO)+(YVEL-VO) AAAAK=(XCLXC)+(XXEL-XO)+(YVEL-VO) AAAAK=(XCLXC)+(XXEL-XO)+(YVEL-VO) 1201 CONTINUE C PROGRAM LERIT COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING WOU KITE(6,501) GO TO 1000 C RITE(6,501) IX SARITICAL LENGTHS ARE AS BELOW+////) FITSS-26-100-1 GO TO 1000 ARITE (6,502) IX SARITICAL LENGTHS ARE AS BELOW+////) FITSS-26-100-1 GO TO 1000 ARITE (6,502) IX SARITICAL LENGTHS FOR SECTION+5-1+4H ARITE (6,503) IX SARITICAL LENGTHS FOR SECTION+5-1-4H ARITE (6,503) IX SARITICAL LENGTHS FOR SECTION+5-1-4H ARITE (6,503) IX SARITICAL LENGTHS ARE AS SECTION+5-1-4H ARITE (6,503) IX SARITICAL LENGTHS ARE AS SECTION-10-10-10-10-10-10-10-10-10-10-10-10-10- | | | |
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| 1200 CONTINUE XXEL=(YCLIIN)+XCLJANI)/2. XXEL=(YCLIIN)+XCLJANI)/2. XXEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. RAMXELS-(AAAAEATRES-DUMI)+1-1.+8.8M WHITE (5.501) STATION THEN FEND THEN FOR DIFFERENT BUCKLING MOD WHITE (5.501) STATION THEN FEND THEN FOR SECTION+5.1+4H YELL (5.501) SECTION-10. SOT FORMAT (LIE ** PROPS. IX = ** F7.2, '' I* F- F7.2, '' I* H= ** F7.2, '' KT = ** C. CORPUTE CRIT LENGTH CORRESONDING TO BUCKLING ABT XX AXIS RESONATION SECTION SECTI | | | | | 1-VNI=IND-
CO 12 22 22 22 22 22 22 22 22 22 22 22 22
 | JUN=11N+1 | U_N=IN+1 | 1 D D D D D D D D D D D D D D D D D D D | JUN-11N41
 | JUN=11N+1 | JUN=11N1] | | |
 | | | | |
 | | | | |
 | | |
| 1207 IINE(+6)[1]+012) 1208 GONT INE AAKE (IXEL-XO)+KIXEL-XO)+(YEL-VO)+(YEL-VO) AAKE (IXEL-XO)+RIXEL-XO)+(YEL-VO)+(YEL-VO) AAKE (IXEL-XO)+RIXEL-XO)+(YEL-VO)+(YEL-VO) BARKE(2.80-AAAK*TRES*DUM1)*(-1.)+DAPK 1202 GONT INE 1203 GONT INE C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD BRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRAFILH, 0'SELT-REBALL' CAPECK DATA RATE (5,503)CA CRIT LENGTH SECTION*F3.1,4H A = FEB.A.1 = E-R.B.1. G= FEB.A.1. O= FEB.A.2. C C PREMATIUM (1) SECTION FOR SECTION F3.1,4H A = FEB.A.1 = FEB.A.1. G= FEB.A.1. O= FEB.A.2. C C C PREMATIUM (1) SECTION FOR SECTION F3.1,4H A = FEB.A.2. | | | |
 | I+N11=N^C | JUN=11N+1 | 1/N-11N+1 | 1771=177+1 | 17811841
 | IIN+I | I+N11=N77 | | |
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 | | | |
| 1207 IN 1208 1207 IN 1208 1207 IN 1208 1206 CONTINUE EXELECTED 19 1208 XYEL (XCITIN) 47C(JAN1) 12. XYEL (XCITIN) 47C(JAN1) 12. XYEL (XCITIN) 47C(JAN1) 12. AAAAK (XXEL-XO) * (XXEL-XO) * (YYEL-YO) * (YYEL-YO) AAAAK (XXEL-XO) * (XXEL-XO) * (YYEL-YO) * (YYEL-YO) AAAAK (XXEL-XO) * (XXEL-XO) * (YYEL-YO) * (YYEL-YO) SOUTH (YALE (S. 50.1) * (XXEL-XO) * (YYEL-YO) * (YYEL-YO) FINE (S. 50.100.) (SOT 0.100 * (YEL-YO) * (YYEL-YO) * (YYEL-YO) FINE (S. 50.100.) (SOT 0.100 * (YEL-YO) * (YYEL-YO) * (YYEL-YO) SOUTH (YEL-YO) * (XYEL-YO) * (YYEL-YO) * (YYEL-YO) SOUTH (YEL-YO) * (YYEL-YO) * (YYEL-YO) * (YYEL-YO) * (YYEL-YO) SOUTH (YYEL-YO) * | | | | | [+V1]=V^
 | 1-111-11-11-11-11-11-11-11-11-11-11-11- | I+XI1=X77 | 1111×1 | 1+211=277
 | 1 N 1 N 1 N 1 | I-V11=V77 | | |
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 | | | | |
 | | |
| 1207 IN=Knitit+012) 1208 CONTINE AAA(= (XXEL-XCJANI)/2. YEEL-(XC(IIN)+YC(JANI)/2. AAA(= (XXEL-XO)+(XXEL-XO)+(YYEL-YO)+(YYEL-YO)+(YYEL-YO)+(XXEL-YO)+(YYE | | | |
 | | JUN=11N+1 | 170×110×1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 17741
 | 11N+1 | 11N+1 | | |
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 | | | |
| 1207 IINE(+6)[1]+012) 1208 GONT INE AAKE (IXEL-XO)+KIXEL-XO)+(YEL-VO)+(YEL-VO) AAKE (IXEL-XO)+RIXEL-XO)+(YEL-VO)+(YEL-VO) AAKE (IXEL-XO)+RIXEL-XO)+(YEL-VO)+(YEL-VO) BARKE(2.80-AAAK*TRES*DUM1)*(-1.)+DAPK 1202 GONT INE 1203 GONT INE C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD BRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRITE (4,502)SS.5,LOA FRAFILH, 0'SELT-REBALL' CAPECK DATA RATE (5,503)CA CRIT LENGTH SECTION*F3.1,4H A = FEB.A.1 = E-R.B.1. G= FEB.A.1. O= FEB.A.2. C C PREMATIUM (1) SECTION FOR SECTION F3.1,4H A = FEB.A.1 = FEB.A.1. G= FEB.A.1. O= FEB.A.2. C C C PREMATIUM (1) SECTION FOR SECTION F3.1,4H A = FEB.A.2. | | | |
 | 1+x11=x07 | I I I I I I I I I I I I I I I I I I I | 1+11=1000 | I+N1 = N C C | 1-N11=N-1
 | I+N1 =N^^ | I+N1=N^^ | | |
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| 1207 [1107 1207 [110 1207 | | | |
 | 100111100 | 1-N11=N-1 | 1+N1=N-0 | 1+N1=NCC | 1+N11=NCC
 | JUN=11N+1 | I+NII=NCC | | |
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 | | | |
| 1209 CONTINUE XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XYEL-(XCIINI)+XC(JJNI)/2. XYEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI)+XC(JJNI)/2. XXEL-(XCIINI) XXEL-(XCIINI)+XC(JNI)/2. XXEL-(XCIINI) | | | | | I+N11=N77
 | JUN=11N+1 | JUN=11N+1
GD TO 1208 | JUN=11N+1 | JUN=11N+1 | JUN=11N+1
GD TD 1208
 | JUN=11N+1
GD 10 1008 | | | |
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| 1200 CONTINUE XXEL=(YCLIIN)+XCLJANI)/2. XXEL=(YCLIIN)+XCLJANI)/2. XXEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. XYEL=(YCLIIN)+XCLJANI)/2. RAMXELS-(AAAAEATRES-DUMI)+1-1.+8.8M WHITE (5.501) STATION THEN FEND THEN FOR DIFFERENT BUCKLING MOD WHITE (5.501) STATION THEN FEND THEN FOR SECTION+5.1+4H YELL (5.501) SECTION-10. SOT FORMAT (LIE ** PROPS. IX = ** F7.2, '' I* F- F7.2, '' I* H= ** F7.2, '' KT = ** C. CORPUTE CRIT LENGTH CORRESONDING TO BUCKLING ABT XX AXIS RESONATION SECTION SECTI | | | | | JUN=11N+1
GD TD 1208
 | JUN=11N+1
GO TO 1208 | JJN=IIN+1
GD TO 1208 | JJN=IIN+1
GO TO 1208 | JJN=11N+1
GO TO 1208
 | JJN=IIN+1
GD TO 1208 | JJN=IIN+1
GD TO 1208 | | | |
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| 1208 CONTINUE XXEL=(XCIIIN)+XC(JUN))/2. XXEL=(YC(IIN)+YC(JUN))/2. AAAAA(=(YC(IIN)+YC(JUN))/2. AAAAA(=(XXEL-XO)+(YYEL-YO)+(YYEL-YO) BARK=(2.*AAAAK*TRES*DUH1)*(-1.)+BARK 1202 CONTINUE C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD RITE (5.50.100.1 GO TO 1.00 GO | | | | |
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| 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1200 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE 12 | | | | |
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| 1208 CONTINUE XXEL-(X(IIN)-XC(JAN))/2. XXEL-(X(IIN)-XC(JAN))/2. XXEL-(X(IIN)-XC(JAN))/2. XXEL-(X(IIN)-XC(JAN))/2. XXEL-(X(IIN)-XC(JAN))/2. XXEL-(X(IIN)-XC(JAN))/2. XXEL-(XC(IIN)-XC(JAN))/2. AAAAK-(XSEL-XO)*(IXEL-XO)*(IXEL-YO)*(IYEL-YO) SOUTHING: REMARK-(2.*AAAK-TRES*DUM1)*(-1.)+BARK 1202 CONTINUE REMARK-(1.)-10.00 G TO 1000 C FRANT (IH.)-20.X, 'CRITICAL LENGTHS ARE AS RECOM'///) INTER (5.502) IXEART. INTER AND THEN ECHD CHECK DATA WRITE (5.502) IXEART. INTER AND THEN ECHD CHECK DATA WRITE (5.502) IXEART. INTER AND THEN ECHD CHECK DATA RATE (5.502) IXEART. INTER AND THEN ECHD CHECK DATA SOUTH CRIT LENGTH CORRESSONNING TO SUCKLING ART XX AXIS C CONTINUE C COMPANTIUM - 1.00 TO 1301 AZ-COAREACOLOAP*O AZ-LOAD*CZ-AZ-BARK-AZ*AZ CC-1.** AAA*CZ CC-1.** AAA*CZ CC-1.** AAA*CZ CC-1.** AAA*CZ IT (2.AZ-IT. O.) GO TO 1303 AZ-COARTHULE AAA*CZ IT (2.AZ-IT. O.) GO TO 1303 IT (2.AZ-IT. O.) G | | | | |
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| 1200 CONTINUE XXEL=(XC(IIN) XC(JJM1)/2, XYEL=(XC(IIN) XC(JJM1)/2, XYEL=(XC(IIN) XC(JJM1)/2, XYEL=(XC(IIN) XC(JJM1)/2, XYEL=(XXEL-XO)*(XXEL-XO)*(YYEL-YO)*(YYEL-YO) BARK=(2,*AAAK*TRES*DUH1)*(Y-1,*1*BARK 1202 CONTINUE ROGGAM LERIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD FINITE (6,503) ISAAT, INTRARY, INTRARY, INTRACE, SO, FORMATITH, O'S SET, ROPS, IX=F7.2, IY=F7.2, IY=F7 | 1207 | 1207 | 1207 | 1001 |
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 | | 1207 | 1207 | 1001
 | 1207 | 1207 | 1207 | 1001 | 1001
 | 1001 | 1207 | 1207 | 1207 | 7021
 | 7001 | 1207 | | | |
| 1208 CONTINUE: XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XC(IIN)+XC(JJN1)/2. XXEL=(XC(IIN)+YC(JJN1)/2. XXEL=(XC(IIN)+YC(JJN1)/2. AAA(=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) AAA(=(XXEL-XO)+(XXEL-XO)+(YYEL-YO) CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 FORMATILH, 20A, "CRITICAL LENGTHS ARE AS BELOW!///) 1204 FORMATILH, 20A, "CRITICAL LENGTHS ARE AS BELOW!///) 1205 FORMATILH, 20A, "CRITICAL LENGTHS ARE AS BELOW!///) 1206 FORMATILH, 20A, "CRITICAL LENGTHS ARE AS BELOW!///) 1207 FORMATILH, 20A, "CRITICAL LENGTHS ARE AS BELOW!///) 1208 FORMATILH, 20A, "CRITICAL LENGTHS ARE AS BELOW!///) 1208 FORMATILH, 20A, "CRITICAL LENGTHS ARE AS BELOW!///) 1208 FORMATILH, 20A, "CRITICAL LENGTH W.R. TO X/X AXIS BUCKLE='F7.2', "KT='F7.2', "K | 1207 | 1207 | 1207 | 1207 |
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 | 1207 | 1207 | 1207 | 1207 | 1207
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 | 1207 | 1207 |
| 1208 CONTINUE XXEL=(XC(1IN)+XC(JJN1)/2. XXEL=(XC(1IN)+XC(JJN1)/2. AAAAK=(XXEL-XO)=(XXEL-XO)=(XXEL-YO)=(YYEL-YO)=(YYEL-YO)=(YYEL-YO)=(XYEL-YO)=(| 1207 | 1207 | 1207 | 1207
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 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | | |
| 1208 CONTINUE XXEL=IXC(IINI+XC(JJM1)/2. YYEL=IXC(IINI+YC(JJM1)/2. AAAM*=IXXEL-XO)*(IXXEL-YO)*(IVYEL-YO) 1202 CONTINUE 1201 CONTINUE C DANTINUE C CONTINUE C FRANT LITLE AND THEN ECHD CHECK DAIA WRITE (\$,501.00.1 GOT 10.00 C FRANT CHI TILE AND THEN ECHD CHECK DAIA WRITE (\$,502.10.0.1 GOT 10.00 D FORMAT (IH, 20X, 'CRITICAL LENGTHS ARE AS BELOW'///) IF (\$,502.553.10.00) D FORMAT (IH, 'CRIT.LENGTHS FOR SECTION'F3.1,4H 'AXIAL LOAD- ARTIE (\$,503.1 XXART, ITHRARY, IT | 1207 | 1207 | 1207 | 1207 |
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 | 1207 | 1207 | 1207 | 1207 | 1207
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 | 1207 | 1207 | | | |
| 1208 CONTINUE XXEL=(YC(IIN)+XC(JJM1)/2. YYEL=(YC(IIN)+YC(JJM1)/2. YYEL=(YC(IIN)+YC(JJM1)/2. YYEL=(YC(IIN)+YC(JJM1)/2. YYEL=(YC(IIN)+YC(JJM1)/2. YARAWA(XKIL-XO)+YVEL-YO)*(YVEL-YO) BARK=(Z-XO)+YVEL-YO)*(YVEL-YO)*(YVEL-YO) BARK=(Z-XO)+YC(IIN)+YC(JJM1)/2. WRITE(S-SC-100.) G) TO 100 T | 1207 | 1207 | 1207 | 1207 |
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 | 1207 | 1207 | | | |
| 1208 CONTINUE AAAAK=(XCEL-XO)-(YYEL-XO)+(YYEL-YO) AAAAK=(XCEL-XO)-(XCEL-XO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES-XO)+(YYEL-YO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES-XO)+(YYEL-YO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES-XO)+(YYEL-YO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES-XO)+(YYEL-YO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES-XO)+(YCEL-YO)+(YYEL-YO) BARK=(Z.*AAAAK*TRES-XO)+(YCEL-YO)+(YYEL-YO) BART (IH., 20X, 'CRITICAL LEHGTHS ARE AS BELOW'////) BART (ITLE AND THEN ECHD CHECK DATA WRITE (4,503) IXBART, IYBART, IYBART, IYHKTAREA, F, G, YO FORMATIHH, 'CRITILENGINE FOR SECTIONIF3.1,4H 'AXIAL LOAD- BART (A. SOS) IXBART, IYBART, | 1207 | 1207 | 1207 | 1207 |
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 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | | | |
| 1208 CONTINUE AAAAK=(XCE=(XC(IIN)+XC(JJJN1)/2. YYEL=(YC(IIN)+XC(JJJN1)/2. AAAAK=(XCE-XO)+(YYEL-YO)+(YYEL-YO) BARK=(Z,*AAAAK*TRES*DUM1)*(-1,1)+BAR 1202 CONTINUE C PROKENT (LH1,20X,*CRITCAL LENGTH FOR DIFFERENT BUCKLING MOD WRITE(\$,501) SOL FORMATI(H1,20X,*CRITCAL LENGTHS ARE AS RELOW*////) FFSS.*EQ.100.) GO TO 1000 FFSS.*EG.100.) GO T | 1207 | 1207 | 1207 | 1207 |
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| **XEE (**XCE XCC IIN) **XC JJN1) / Z. **XEE XCC IIN) **XC JJN1) / Z. **YARAE (**XEE - XO) + (**XEE - XO) + (**YYEE - YO) **YARAE (**XEE - XO) + (**XEE - XO) + (**YYEE - YO) **PARAE (**XEE - XO) + (**XEE - XO) + (**YEE - YO) **PARAE (**XEE - XO) + (**XEE - XO) + (**YEE - YO) **PARAE (**XEE - XO) + (**XEE - XO) + (**YEE - YO) **PROGRAM LORIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD **RITE (**SO1) - (**SO1) + (**XEE - XEE - YO) **PROGRAM LORIT, COMPUTE CHOOL CHECK DATA **WRITE (**SO1) SS \$1000 **PROGRAM LORIT, CETT. LENGTH S FOR SFCTION**73.1,4H '**AXIAL LOAD **ARITE (**SO3) IXBART, IYBART, IYH*KT, AREA, F.G.*YO **PROGRAM LORIT, CETT. LENGTH CORREOSPONDING TO 9UCKLING ANT XX AXIS **LESCART (LETE**PEE**EXBART) LOAD **PROGRAM LORIT LENGTH LAT. TORSIONAL BUCKLE **CORPUTE CRIT LENGTH LAT. TO | 1207 | 1207 | 1207 | 1207 |
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 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 |
| XXEL=(XC(IIN)+XC(JJJN)/2. XXEL=(XC(IIN)+XC(JJJN)/2. YXEL=(XC(IIN)+XC(JJJN)/2. YXEL=(XC(IIN)+XC(JJJN)/2. YXEL=(XC(IIN)+XC(JJJN)/2. YXEL=(XC(IIN)+XC(JJJN)/2. YXEL=(XC(IIN)+XC(JJJN)/2. BARK=(Z*AAAR*TRES*DUM!)*(-1.)+BARK I201 CONTINUE C PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD WRITE (6.501). SOL FORMAT(IH, 20X, *CRITICA LENGTHS FOR SECTION*F3.1,4H 'XAXIAL LOAD-III. AMD THEN ECHD CHECK DATA WRITE (6.502) IXBART, IYBART, IYHKT, AREA, E.G., YO SOS FORMAT(IH, *CRIT.LENGTH S FOR SECTION*F3.1,4H 'XAXIAL LOAD-III. A=18.2. ELS. ER. 1. *CRIT.LENGTH CORREOSPONDING TO BUCKLING ANT XX AXIS LX AZELOAD**C**LA*A*A*C. C COMPAT(IH, *IOX, *ICRIT.LENGTH LA*, *IOX XX AXIS BUCKLE=*F7.2) NRITE (6.505)LX AZELOAD**C**LA*A*A*C. C CONTACT LX AZELOAD**C**A*AA*C. IZA = BB 2*BB 2*A*A*X*C. IZA = BB 2*BB 2*BB 2*A*A*X*C. IZA = BB 2*BB 2*A*A*X*C. IZA = BB 2*BB 2*A*A*X*C. IZA = BB 2*BB 2*A*A*X*C. IZA AZ = BB 2*BB 2*BB 2*A*A*A*C. IZA AZ = BB 2*BB 2*BB 2*A*A*A*C. IZA AZ = BB 2*BB 2*BB 2*A*A*A*C. IZA AZ = BB 2*BB 2*BB 2*BB 2*A*A*A*C. IZA AZ = BB 2*BB 2*BB 2*BB 2*A*A*A*C. IZA AZ = BB 2*BB 2*BB 2*BB 2*BB 2*BB 2*BB 2*BB | 1207 | 1207 | 1207 | 1207
 | | | | |
 | | | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 |
| AAAM=[XYE(TIN]+YC(JJN])/2. | 1207 | 1207 | 1207 | 1207
 | | | | |
 | | | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 |
| XYEL=XC(IIN)+XC(JAN))/2. AAAAK=IXXEL-XO)+(XYEL-YO)+(YYEL-YO) BARX=IXXEL-XO+(XIN)/XCL-XO)+(YYEL-YO) AAAAK=IXXEL-XO+(XIN)/XCL-XO)+(YYEL-YO) 1201 CONTINUE C PROGRAM LUE IF (55.5010.) 60 TO 1000 E RATE (6,501) BRITE (6,501) BRITE (6,501) BRITE (6,501) BRITE (6,503) IXBART, IYBART, IWKT, AREA, E,6,YO BRITE (6,503) IXBART, IYBART, IWKT, AREA, E,6,YO SOS FORMAT(IH) 'CRIT LENGTH & FOR SECTION'F3.1,4H 'AXIAL LOAD) BRITE (6,503) IXBART, IYBART, IWKT, AREA, E,6,YO SOS FORMAT(IH) 'SRIT.LENGTH W.R. TO XVX AXIS BUCKLE='F7.2) C COPPUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ART XX AXIS LX=SQRT(RIE*PIE*E*IYBART)/LOAD1 WRITE (6,503) IX C SQRT (RIE*PIE*E*IYBART)/LOAD1 WRITE (6,503) IX C SQRT (RIE*PIE*E*IYBART)/LOAD1 WRITE (6,503) IX C SQRT (RIE*PIPARAT TORSIONAL BUCKLE C SQRT (RIE*PIPARAT CORRESSOR (RAZ))/(C**AAZ)) C SQRT (RIE*CAA*AC**CCI)/(C**AAZ) A SQRT (LBBZ*SQRT (BAZ)*BBZ*A**AAZ**CCI)/(C**AAZ)) G TO 1302 I SA SCR (RAZ)*LOAD TO 1303 BL=0.0 SQT TO 301 BL=0.0 SQT TO 301 BL=0.0 SQT TO 301 BL=0.0 SQT TO 507 BL=0.0 SQT TO 507 BRAGRAM THOPO'CRIT LENGTH W.R.TO LAT/TORS.BUCKLE='F7.2' INS ON THEREBRY BUCKLE SOF WRITE (SOA)*AL*BL SOF WRITE (SOA)*AL*BL SOF TORRATT HITCH FOR THE SOR THEREBRY BUCKLE='F7.2' INS ON THE SOA THEREBRY BUCK | 1207 | 1207 | 1207 | 1207
 | | | | |
 | | | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | | | |
| XXEE=(XC(IIN)+XC(JJNI)/2. AAAME=(XXEL-XO)=(XXEL-XO)=(YYEL-YO) BARK=(XXEL-XO)=(XXEL-XO)=(YYEL-YO) C BARK=(XXEL-XO)=(XXEL-XO)=(YYEL-YO) C BARK=(XXEL-XO)=(XXEL-XO)=(YYEL-YO) SOLOTINIE 120 COMPATITION FISSS.EQ-100-) GO TO 1000 C BRIAT CALT TITICAL LENGTHS RE AS BELOW!///) FISSS.EQ-100-) GO TO 1000 C BRIAT CALT TITICAL LENGTHS FOR SECTION*F3-1,4H WRITE (5,503) IXBART, IYBART, IYBART, IYAREA, F, G, YO SOLOTOWIC CRIT LENGTH SETS SECTION*F3-1,4H WRITE (5,503) IXBART, IYBART, I | 1207 | 1207 | 1207 | 1207 |
 | | | |
 | | | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | | | |
| XYEE=XC(IIN)+XC(JJNI)/Z. AAAK=XXELXOJ=(XXEL-XO)=(YYEE-YO) BARK=(XXEL-XO)=(XXEL-XO)=(YYEE-YO) BARK=(XXEL-XO)=(XXEL-XO)=(YYEE-YO) BARK=(XXEL-XO)=(XXEL-XO)=(YYEE-YO) CONTINUE C PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD FINAL TOTAL LENGTH CHECK DATA BRIMT COLIT TITLE AND THEN ECHO CHECK DATA WRITE (4,502) 1XBART; LENGTH SECTION=1,4H ,*AXIAL LOAD-1, AR-162,2,1 E-SET PROPS.1X=17-2,* IY=+F7.2,* IN=+F7.2,* KT=* WRITE (4,503) 1XBART; LENGTH SECTION=1,4H ,*AXIAL LOAD-1, AR-162,2,* E-SET PROPS.1X=+F7.2,* IY=+F7.2,* IN=+F7.2,* KT=* COMPUTE CRIT LENGTH CORREGSPONDING TO BUCKLING ART XX AXIS COMPUTE CRIT LENGTH CORREGSPONDING TO BUCKLING ART XX AXIS COMPUTE CRIT LENGTH LAT.TORS.COMAL BUCKLE AZ=DIESPLE=1,415 C COMPATCH + 10X,* CRIT.LENGTH W.R. TO X/X AXIS BUCKLE=*F7.2) AZ=DIESPLE=1,415 C CAPETER LESSING AND AND AZ=LOAD=1,4 AZ=X-C AZ=LOAD=1,4 AZ=X-C IF (ZAZ=L) AZ=AZ=X-C IF (ZAZ=L) AZ=X-C IF (ZAZ=L) AZ=AZ=X-C IF (ZAZ=L) AZ=X-C IF | 1207 | 1207 | 1207 | 1207 |
 | | | |
 | | | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | | | |
| AAAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AAAK=TXEL_XOJANIJZA. AND CANTINIE AND CANTINIE AND CANTINIE AAE-TZS. | 1207 | 1207 | 1207 | 1207 |
 | | | | |
 | | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 | 1207 | 1207 | 1207
 | 1207 | 1207 |
| YYRE YYCTIN YYCTIN YYCTIN YYCE YYRE YYR | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1,
1208 CONTINUE | GD TO 1208
1207 IIN=K+D(I)+D(2)
1JN=IIN+1,
1208 CONTINUE | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE | JJN=IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IN+1,
1208 CONTINUE | JJN=IIN+1
GO TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
 | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1,
CONTINUE | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1
CONTINUE
 | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IIN+1.
1208 CONTINUE | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IIN+1.
1208 CONTINUE | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.JN=IIN+1.
1208 CONTINUE | JJN=11N+1
60 TO 1208
1207 IJN=K+D(1)+D(2)
1.JN=IJN+1.
1208
CONTINUE | JJN=1IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.1N=IN+1.
1208 CONTINUE | JJN=11N+1
60 TO 1208
1207 IJN=K+D(1)+D(2)
1.JN=IJN+1.
1208 CONTINUE | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.JN=IIN+1.
1208 CONTINUE | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1.JN=IIN+1.
1208 CONTINUE
 | JJN=[IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1,
1208 CONTINUE | 1207 IIN=1.
50 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1.
1208 CONTINUE | 1207 11N=K+D(1)+D(2)
1207 11N=K+D(1)+D(2)
1208 CONTINUE | GD TO 1208
1207 IIN=K+D(I)+D(2)
1JN=IIN+1,
1208 CONTINUE | GD TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1,
1208 CONTINUE
 | GO TO 1208
1207 IIN=K+D(I)+D(2)
11M=IIN+1,
1208 CONTINUE | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1,
1208 CONTINUE |
| AMAMERICAL TYCLINIAYCLJJANI); AMAMERICAL AMAMERICAL AMANICAL AMAMERICAL AMAM | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE | 1207 11N=K+D(1)+D(2)
1207 11N=K+D(1)+D(2)
11M=I1N+1,
1208 CONTINUE | 1207 11N=K+D(1)+D(2) 1208 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE | JJW=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1
1208 CONTINUE
VXCI - VXCITINIES | JJN=IIN+1 60 TO 1208 IIN=K+D(I)+D(2) LJN=IIN+I CONTINUE VYEI -/YC(IIN)+X
 | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+I,
CONTINUE | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+B(2)
LJN=IIN+I
CONTINUE | JJN=11N+1
6D TO 1208
IIN=K+D(1)+D(2)
LJM=IIN+I,
CONTINUE | JJN=IIN+1
GD TO 1208
LIN=K+D(1)+D(2)
LJN=IIN+I,
CONTINUE | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
LIM=IIN+1,
CONTINUE
 | JJN=11N+1
6D TO 1208
IIN=K+D(1)+D(2)
LJM=IIN+1,
CONTINUE | JJN=11N+1
60 T0 1208
1207 11N=K+D(1)+D(2)
11N=11N+1
1208 CONTINUE | JJN=11N+1
60 T0 1208
1207 11N=K+D(1)+D(2)
11N=11N+1
1208 CONTINUE | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
VOIL - VOIL IN LEA | JJN=IIN+1
GD TO 1208
1207
IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
VOIL - VOIL IN LEA | JJN=11N+1
GD TO 1208
1207 [IN=K+D(1)+D(2)
JAN=11N+1
1208 CONTINUE
VOIL - VOIL NALE | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
VOIL - VOIL IN LEA | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
VOIL - VOIL IN LEA | JJN=IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IN+1,
1208 CONTINUE
 | JJN=[IN+1
60 T0 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1,
1208 CONTINUE | 1207 11N=K+D(1)+D(2) 1208 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE | 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE | 1207 11N=K+D(1)+D(2)
1207 11N=K+D(1)+D(2)
11M=I1N+1,
1208 CONTINUE | 60 T0 1208
1207 IIN=K+D(1)+D(2)
11M=TIN+1.
1208 CONTINUE
 | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I,
1208 CONTINUE | 1207 IIN=K+D(I)+D(2) 1108 LIN=IN+I, 1208 CONTINUE |
| AAAAK=(XCEL-XO)+(YVEL-YO)+(YVEL-YO) AAAAK=(XCEL-XO)+(XCEL-XO)+(YVEL-YO) BARK=(Z.*AAAAK*TRES*DUM!)+(-1,+BARK 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 FORMAT(1H,120X,*CRITICA LEHGTHS ARE AS BELON'///) 1204 FISSS.*E010.) GO TO 1000 121 A=180.1 1305 FORMAT(1H,120X,*CRITICA LEHGTHS ARE AS BELON'///) 1306 FORMAT(1H,120X,*CRITICA LEHGTHS ARE AS BELON'///) 507 FORMAT(1H,120X,*CRITICA LEHGTHS FOR SFCTION*F3.1,4H 'XXIAL LOAD- ARTE (5,503) IXAART,IVBART,IVHKTAREA,E,G,VO 508 FORMAT(1H,120X,*CRITICA LEHGTHS FOR SFCTION*F3.1,4H 'XXIAL LOAD- ARTE (5,503) IXAART,IVBART,IVHKTAREA,E,G,VO 508 FORMAT(1H,120X,*CRITICA LEHGTHS FOR SFCTION*F3.1,4H 'XXIAL LOAD- ARTE (5,503) IXAART,IVBART,IVHKTAREA,E,G,VO 509 FORMAT(1H,120X,*CRITICA LEHGTHS FOR SFCTION*F3.1,4H 'XXIAL LOAD- ARTE (5,503) IXAART,IVBART,IV | GO TO 1208
1207 11N=K+D(1)+D(2)
11N=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X | 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IN)+X(| 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(| 1207 11N+1
60 T0 1208
1207 11N+K+D(1)+D(2)
11N+K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(11N)+X(
 | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
LJN=IIN+1
CONTINUE
XXEL={XC(IIN)+X | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+B(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1
CONTINUE
XXEL={XC(IIN)+X
 | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+1
1208 CONTINUE
XXEL=(XC(IN)+X(| JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+1
1208 CONTINUE
XXEL=(XC(IN)+X(| JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11N=11N+1
1208 CONTINUE
XXEL=(XC(IIN)+X(
 | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
6D TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11N=11N+1
1208 CONTINUE
XXEL=(XC(IIN)+X(
 | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=[IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN+1
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN=K+D(I)+D(2)
1207 IIN=K+D(I)+D(2)
11M=IN+I,
1208 CONTINUE
XXEL=(XC(IN)+X(| 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IN)+X(
 | GD TO 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+I.
1208 CONTINUE
XXEL=(XC(IIN)+X | 60 T0 1208
1207 IIN=K+D(1)+D(2)
11N=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X(| GD TO 1208
1207 IIN=K+D(1)+D(2)
1.1N=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(|
| AAAAK=iXxEL-XOI*iXXEL-XOI*iYVEL-YOI*iYVEL-YOI AAAAK=iXxEL-XOI*iXXEL-XOI*iYVEL-YOI BARNE-1C-XAAAAK=TRES*OUM!)*!-1.1*BARK 1201 CONTINUE C MRITE(6,501) SOI FORGRAIU LENTI.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD FISSS.e(3.00.) 60 TO 1000 C MRITE (6,503) IXAARITICAL LENGTHS FOR SECTION*F3.1,4H WRITE (6,503) IXAARITICAL LENGTHS FOR SECTION*F3.1,4H SOS FORMATILH .'CRIT LENGTH CORRESPONDING TO BUCKLING ART XX AXIS C COMPUTE CRIT LENGTH LAT. TORSIONAL BUCKLE AZ=DIE**PIE***E**IYABRT TORSIONAL BUCKLE C CAPITE***I**AA**CATAAR***CATAA**CATAAR**CATAA**CATAA**CATAAR**CATAA**CATAA**CATAAR**CATAA**CATAA**CATAA**CATAA**CATAA**CATAA**CATAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAA**CATAAAAA**CATAAAAA**CATAAAAA**CATAAAAA**CATAAAAA**CATAAAAA**CATAAAAA**CATAAAAAAAA | G0 T0 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+X(| GO TO 1208
1207 IIA=K+D(1)+D(2)
11N=IIN+1.
1208 CONTINUE
XXEL=(XC(11N)+X(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CMTINUE XXEL=(XC(IIN)+X(| JJN=IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11N=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+X
 | JJN=IIN+1
60 TO 1208
IIN=K+01)+D(2)
LIM=LIN+1,
CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 T0 1208
IIN=K+D(I)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X
 | JJN=11N+1
GD TO 1208
LIN=K+D(1)+D(2)
LJN=IN+1
CONTINUE
XXEL=(XC(11N)+X(| JJN=IIN+1
GD TO 1208
LIN=K+D(I)+D(2)
LJM=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
6D TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
6D TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X(
 | JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 T0 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=11N+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TD 1208
1207
IIN=K+D(1)+D(2)
LIN=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X(| JJN=[IN+1
60 T0 1208
1207 IIN=K+D(1)+D(2)
11N=IN+IN-I
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN+1
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(11N)+X(| GO TO 1208
1207 IIA=K+D(1)+D(2)
11N=IIN+1.
1208 CONTINUE
XXEL=(XC(11N)+X(
 | GD TD 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+II
1208 CONTINUE
XXEL=(XC(IIN)+X(| GO TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X(| GO TO 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+IA
1208 CONTINUE
XXEL=(XC(IIN)+X(|
| AAAAK=IXXEL-X0)*(XXEL-X0)*(YYEL-Y0) BARK=IZ,*AAAAK*TRES*DUMI)*(-1.)+DARK CONTINUE CONGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOD PROGRAM LCRIT.COMPUTES CRIT LENGTH FOR AS BELOW'///) FOR PROGRAM LORIT.COMPUTES CRIT LENGTH SECTION F3.1,4H PRINT G1.20X,'CRITICAL LENGTHS FOR SECTION F3.1,4H PRINT G1.20X,'CRIT.LENGTHS FOR SECTION F3.1,4H PRINT G1.20X,'CRIT.LENGTHS FOR SECTION F3.1,4H PRINT G1.20X,'CRIT.LENGTHS.IX-MODELS.CA.YOR SOUCKLE: F7.2,' NH='F7.2,' KT=' COMPATCH! VOX.'CRIT.LENGTH CORREGSONDING TO BUCKLING ABT XX AXIS COMPATCH! VOX.'CRIT.LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) COMPATCH! VOX.'CRIT.LENGTH W.R. TO X/X AXIS BUCKLE='F7.2) AZ=DIESPIESEEINY REGART CC=PIESPIESEEINY AZ=LOAD*ROGLOAD*OAN AZ=LOAD*OAN AZ=LOAD*ROGLOAD*OAN AZ=LOAD*OAN AZ=ROGNINUE AZ=LOAD*OAN AZ=LOADA | GD TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X, | 1207 IIARKHD(1)+D(2) 1208 CONTINUE 1208 CONTINUE | 1207 IIN=K+D(1)+D(2) 1208 IIN=K+D(1)+D(2) 1308 CONTINUE XXEE=(XC(IN)+X | 1JWTIN+1
60 TO 1208
1207 ILM=K+D(1)+D(2)
1JW=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JUN=IIN+1
GD TO 1208
GO TO 1208
IIN=K+D(I)+D(2)
LIN=IIN+I.
CONTINUE
CONTINUE
CONTINUE
 | JJN=IIN+1
60 T0 1208
IIN=K+01)+D(2)
LLM=IIN+1
CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+I,
CONTINUE | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
LIM=IIN+I
CONTINUE
XXEL=(XC(IIN)+X
 | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1
CONTINUE | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11M=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11M=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+X
 | JJN=11N+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=11N+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+X | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11M=IIN+1,
1208 CONTINUE
 | JJN=[IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1JN=[IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X, | 1207 IIN+1
60 TO 1208
1207 IIN+K+D(1)+D(2)
1308 CONTINUE
XXEE=(XC(IN)+XC | 1207 IN=K+D(1)+D(2) 1208 CDNINUE 1208 CDNINUE 1208 CDNINUE | 1207 IIARKHD(1)+D(2) 1208 CONTINUE 1208 CONTINUE | GO TO 1208
1207 IIN-FF0(1)-b(2)
1208 CONTINUE
1208 CONTINUE
 | 1207 IIN=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X | GD TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+II
1208 CONTINUE
XXEL=(XC(IIN)+X |
| AAAAK=(XXEL-XO)=(XXEL-XO)+(YYEL-YO) AAAAK=(XXEL-XO)=(XXEL-XO)+(YEL-YO) AAAAK=(XXEL-XO)=(XXEL-XO)=(XXEL-YO) AAAAK=(XXEL-YO)=(XXEL-YO)=(XXEL-YO) ABAK=(ZXEL-YO)=(| G0 T0 1208
1207 IIN=K+D(1)+D(2)
1.M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/V) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X) | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(11N)+X) | JJW=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
1408=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/V)+X/V)
 | JJN=IIN+1
6D TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X,
VYEI = (YC(IIN)+X, | JJN=IIN+1
GD TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+1
CONTINUE
CONTINUE | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJM=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LJM=IIN+I,
CONTINUE
XXEL=(XC(IIN)+X,
VEI = (YC(IIN)+X,
 | JJN=IIN+1
GO TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
CONTINUE
CONTINUE
CONTINUE | JJN=11N+1
GD TO 1208
IIN=K+D(1)+D(2)
JLM=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/V) | JJN=IIN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/V) | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/V)+X/V)
 | JJN=1IN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
VXEL=(XC(IIN)+X, | JJN=1IN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
11M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
VXEL=(XC(IIN)+X, | JJN=1IN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
VXEL=(XC(IIN)+X, | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/V) = (XC(IIN)+X/V)
 | JJN=[IN+1
60 TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X/V) = (XC(IIN)+X/V) | JJN=[IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X/VEL=(XC(IIN)+X/VEL=(XC(IN)+ | 1207 IIN=1.
507 IIN=K+D(1)+D(2)
1108 IIN=IIN+I.
1208 CONTINUE
XXEL=(XC(IIN)+X/V) | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(11N)+X(VEL=(YC(11 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X)
 | GO TO 1208
1207 IIN=K+D(1)+D(2)
1.M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
VYEL=(XC(IIN)+X, | GO TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/V) | G0 T0 1208
1207 IIN=K+D(1)+D(2)
1.M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/VEL=(XC(IIN)+X/VEL=(XC(IN)+X |
| 1202 CANTINUE AAAM*TRES*DUMI)*("I")*("YEL-YO)*("YEL-YO)* 1202 CANTINUE AAAM*TRES*DUMI)*("I") | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1.04=IN+1, 1208 CONTINUE XXEL=(XC(IN)+X) YYEL=(YC(IN)+X) | 1207 11N=K+D(1)+D(2)
1207 11N=K+D(1)+D(2)
11M=I1N+1,
1208 CONTINUE
XXEL=(XC(11N)+X,
YYEL=(YC(11N)+Y, | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1.1N=I1N+1, 1.208 CONTINUE 1.208 CONTINUE 1.208 CONTINUE 1.208 CONTINUE | JJW=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JAN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(YC(IIN)+X,
 | JJN=IIN+1
GO TO 1208
IIN=K+D(I)+D(2)
LAM=IIN+1
CONTINUE
XXEL=(XC(IIN)+X
YYEL=(YC(IIN)+Y | JJN=IIN+1
GD TO 1208
IIN=K+D(I)+D(2)
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X;
YYEL=(YC(IIN)+Y; | JJN=IIN+1
60 TO 1208
IIN=K+D(I)+D(2)
LJN=IIN+I
CONTINUE
XXEL=(XC(IIN)+XY
YYEL=(YC(IIN)+YY | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
LIN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(YC(IIN)+Y, | JJN=IIN+1
GD TO 1208
IIN=K+D(I)+D(2)
LJN=IIN+I
CONTINUE
XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+YYEL)
 | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
LIN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X/ | JJN=[IN+] 60 TO 1208 IIN=K+D(I)+D(2) LIN=IIN+I, CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X/YEL=(YC(IIX)+X/YEL=(YC(IIN)+X/YEL=(YC(IIX)+X/YEL=(YC(IIX)+X/YEL=(YC(IIX)+X/YEL=(YC(I | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
LJM=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X/YEL=(YC(I | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
 | JJN=11N+1
GD TO 1208
1207 IJN=K+D(1)+D(2)
JJN=IJN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC | JJN=1IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=IXC(IIN)+X(YYEL=(YYEL=(YC(IIN)+X(YYEL=(YYE | JJN=11N+1
GD TO 1208
1207 IJN=K+D(1)+D(2)
JJN=IJN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC | JJN=IIN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
 | JJN=[IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X/YEE=(YC(| JJN=[IN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(YC(IIN)+X, | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1.1N=IIN+I. 1.208 CONTINUE 1.208 CONTINUE 1.208 CONTINUE 1.208 CONTINUE | 1207 11N=K+D(1)+D(2)
1207 11N=K+D(1)+D(2)
1.M=IIN+1,
1.M=IIN+1,
1.208 CONTINUE
XXEL=(XC(11N)+X,
YYEL=(YC(11N)+Y, | 1207 11N=K+D(1)+D(2)
11N=K+D(1)+D(2)
11N=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(YC(IIN)+Y,
 | GO TO 1208
1207 IIN=K+D(1)+D(2)
11M=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(YC(IIN)+Y, | GO TO 1208
1207 IIN=K+D(1)+D(2)
1.M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X/YEL=(YC(I | GO TO 1208
1207 IIN=K+D(I)+D(2)
1.08=IN+I,
1208 CONTINUE
XXEL=IXC(IIN)+X(YEL=IXC(IIN)+X(IN)+ |
| 1202 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINU | 1207 IN=K+D(1)+D(2) 1.007 IN=K+D(1)+D(2) 1.008 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC) | GO TO 1208
1207 IIN=K+D(1)+D(2)
1M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC | JON=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JAN=IIN+1
1208 CONTINUE
XXEL=(XCIIIN)+XC | JJN=[IN+] 60 TO 1208 IIN=K+D[1]+D(2) LJN=IIN+1, CONTINUE XXEL=(XC(IIN)+YC
 | JJN=IIN+1
GD TO 1208
IIN=K+Db(1)+Db(2)
LIN=K+Db(1)+Db(2)
LIN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC | JJN=IIN+1
G0 T0 1208
IIN=K+D[1]+D[2]
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+YC | JJN=IIN+1
GD TO 1208
IIN=K+DU[]+D[2]
LIN=IIN+1.
CONTINUE
XXEL=(XC(IIN)+XC | JJN=IIN+1 GD TO 1208 IIN=K+D(1)+D(2) LIN=K+D(1)+D(2) LIN=IN+1- LIN=IN+1- LIN=IN+1- LINE XXEL=(XC(IIN)+X(| JJN=IIN+1
6D TO 1208
LIN=K+D(1)+D(2)
LIN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+XC
 | JJN=[IN+] GD TO 1208 LIN=K+D[1]+D[2] LIN=K+D[1]+D[2] LIN=IN+1. CONTINUE XXEL=(XC(IIN)+XC | JJN=IIN+1
GD TD 1208
I207 IIN=KHD[1]+D[2)
LIN=IIN+1.
LIN=IIN+1.
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC | JJN=IIN+1
GD TD 1208
I207 IIN=KHD[1]+D[2)
LIN=IIN+1.
LIN=IIN+1.
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC | JJN=IIN+1
GD TD 1208
1207 IIN=K+DI1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
 | JJN=11N+1
GD TD 1208
1207 IIN=K+D11)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JJN=1IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JJN=11N+1
GD TD 1208
1207 IIN=K+D11)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JJN=IIN+1
GD TD 1208
1207 IIN=K+DI1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JAN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JAN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
 | JON=11N+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
LIN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 11N=IN=1 1208 CONTINUE XXEL=(XC(11N)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 110=IIN+I 1208 CONTINUE XXEL=(XC(IIN)+XC | GO TO 1208
1207 IIN=K+D(1)+D(2)
1M=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I.
1208 CONTINUE
XXEL=(XC(IIN)+XC
 | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IN-K+D(1)+D(2) 1207 IN-K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC |
| 1202 GARK=[2.*AAAAK*TRES*DUH]):#[-1.]+DARK 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINUE 1209 CONTINUE 1208 CONTINUE 1208 CONTINUE 1209 CONTINUE | G0 T0 1208
1207 IIN=K+D(1)+D(2)
1AN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IN=K+D(1)+D(2)
1207 IN=K+D(1)+D(2)
11M=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+X(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IN=IN+I 1208 CONTINUE XXEL=(XC(IIN)+XC | JON=11N+1
GO TO 1208
1207 IIN=K+D[1]+D[2)
LIN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+YC
 | JJN=IIN+1
GD TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=1IN+1 6D TO 1208 IIN=K+D[1]+D[2] JN=IIN+1 CONTINUE XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
IIN=K+DU[]+D(2)
LAM=IIN+1,
LAM=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=1IN+1
6D TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO
1208
LIN=K+Dfl]+Df(2)
LIN=K+Dfl]+Df(2)
LIN=K+Dfl]
LIN=K+Dfl]
CONTINUE
XXEL=(XC(IIN)+Y(| JJN=IIN+1
GD TO 1208
LIN=K+DU[]+D(2)
LIN=K+DU[]+D(2)
LIN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+X(| JJN=11N+1
GO TO 1208
1207 11N=K+D(1)+D(2)
LJN=11N+1
1208 CONTINUE
XXEL=(XC(11N)+X(| JJN=11N+1
GO TO 1208
1207 11N=K+D(1)+D(2)
LJN=11N+1
1208 CONTINUE
XXEL=(XC(11N)+X(| JJN=IIN+1
G0 T0 I208
I207 IIN=K+D(1)+D(2)
JAN=IIN+1
XXEL=(XCIIN)+XC
YYEL=(YC(IIN)+YC
 | JJN=11N+1 GD TD 1208 1207 IIN=K+D(I)+D(2) 11N=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X(| JJN=11N+1
GO TO 1208
1207 IIN=K+D(I)+D(2)
LIN=IIN+1
LIN=IIN+1
XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+Y(YEL-(YC(IIN)+ | JJN=11N+1 GD TD 1208 1207 IIN=K+D(I)+D(2) 11N=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X(| JJN=IIN+1
G0 T0 I208
I207 IIN=K+D(1)+D(2)
JAN=IIN+1
XXEL=(XCIIN)+XC
YYEL=(YC(IIN)+YC | JON=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
LAN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
 | JONETIN+1 5 JANETIN+1 6 G TO 1208 1207 IIN=K+D[1]+D[2] 1AN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IIN=I 1208 CONTINUE XXEL=(XC(IIN)+XC | 1207 IIN=K+D(I)+D(2)
1207 IIN=K+D(I)+D(2)
11M=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC | 1207 IN=K+D(1)+D(2)
1207 IN=K+D(1)+D(2)
11M=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+X(| GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I.
1208
CONTINUE
XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YELE)+Y(YEL | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(| GO TO 1208
1207 IIA=K+D(1)+D(2)
1A=IIA+1
1208 CONTINUE
XXEL=(XC(IIN)+X(|
| DATE CONTINUE | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 110=IN+1 110=IN+1 1108 CONTINUE XXEL=(XC(IIN)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(| JONETIN+1 60 TO 1208 1207 IIN=K+D[1]+D[2] JONETIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC
 | JJN=IIN+1 6G TO 1208 IIN=K+D[1]+D[2) LIN=IN+IL CONTINUE XXEL=(XC(IIN)+XC | JJN=IIN+1
GD TO 1208
IIN=K+D[1]+D[2]
LIN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
XXEL=(YC(IIN)+YC | JJN=1IN+1 60 TO 1208 IIN=K+D[1]+D[2] LIN=IN+1 CONTINUE XXEL=(XC(IIN)+X(| JJN=IIN+1
GD TO 1208
IIN=K+D1[]+D(2]
JN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC | JUN=11N+1 6D TO 1208 1IN=K+D[1]+D[2] LIN=IN+1 CONTINUE XXEL=(XC(IIN)+XC
 | JJN=[IN+] GD TO 1208 IIN=K+D(I)+D(2) JJN=IIN+I, CONTINUE XXEL=(XC(IIN)+X(| JJN=11N+1 GD TO 1208 II IN=K+D(I)+D(2) JJN=IIN+1, CONTINUE XXEL=(XC(IIN)+XC | JJN=11N+1 60 T0 1208 1207 IIA=K+D(I)+D(2) 11A=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC | JJN=11N+1 60 T0 1208 1207 IIA=K+D(I)+D(2) 11A=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC | JJN=11N+1
GD TD 1208
1207 11N=K+D(1)+D(2)
LLN=I1N+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
 | JJN=11N+1
GD TD 1208
1207 11N=K+D(11)+D(2)
JJN=I1N+1
1208 CONTINUE
XXEL=(XC(11N)+XC | JJN=IIN+1
GD TD 1208
1207 IIA=K+D(1)+D(2)
JAB=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JJN=11N+1
GD TD 1208
1207 11N=K+D(11)+D(2)
JJN=I1N+1
1208 CONTINUE
XXEL=(XC(11N)+XC | JJN=11N+1
GD TD 1208
1207 11N=K+D(1)+D(2)
LLN=I1N+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
 | JJN=IIN+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | JN=[IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+1.
1208 CONTINUE
XYEL=(XC(IIN)+X(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(| 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 110=IN+1 110=IN+1 1108 CONTINUE XXEL=(XC(IIN)+XC
 | GO TO 1208
1207 IIA=K+D(1)+D(2)
1AB=IIN+I,
1AB=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC | GD TD 1208
1207 IIA=K+D(1)+D(2)
11A=IIA+1
1208 CONTINUE
XXEL=(XC(IIN)+XC | G0 T0 1208
1207 IIN=K+D(I)+D(2)
14M=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC |
| 1202 CONTINUE BARK*TES*DUMI)*(-1.)+BARK 1201 CONTINUE BARK*TES*DUMI)*(-1.)+BARK 1201 CONTINUE BARK*TES*DUMI)*(-1.)+BARK 1201 CONTINUE BARK*TES*DUMI)*(-1.)+BARK 1201 CONTINUE BARK*TES*DUMI)*(-1.)+BARK*TES*DUMI)*(- | G0 T0 1208
1207 IIN=K+D(1)+D(2)
11M=IN+IL
1208 CONTINUE
XXEL=(XC(IIIN)+XC
AAAAK=(XFI-XN)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IIN+IIN+II 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEI-XN)+XC | 1207 INN=K+D(1)+D(2) 1207 INN=K+D(1)+D(2) 1207 INN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XFI-XN)+XC | JON=IIN+1
GO TO 1208
1207 IIN=K+DI(1)+D(2)
JON=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-YC(IIN)+YC
 | JJN=IIN+1
66 TO 1208
GO TO 1208
LIN=IN+1
CONTINUE
CONTINUE
XYEL=(XC(IIN)+YC
AAAAE=(XYE)-XN)+YC | JJN=IIN+1 GD TO 1208 IIN=K+D[1]+D[2] LIN=IN+1 CONTINUE XXEL=(XC(IIN)+YC AAAAK=(XYE)-XN)+YC | JJN=[IN+] GO TO 1208 GIN=[IN=K+D[1]+D[2] LIN=IN+IN-IN+IN-IN+IN-IN-Y(IN)+Y(I | JJN=[IN+] GD TO 1208 IIN=K+D[I]+D[2] LIN=IN+I, CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XYE) | JUN=1[N+] 60 TO 1208 1IN=K+D[]+D(2) 1IN=IN+IL CONTINUE XXEL=(XC(IIN)+YC AAAAK=(XYE)-XN)+YC
 | JJN=[IN+] GD TO 1208 ITIN=K+DI[1+D[2] LIN=IN+I, CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XYEIN-XN)+YC | JJN=[IN+] GO TO 1208 IIN=K+D[I]+D[2] LIN=IN+I CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XYE) | JJN=11N+1 60 T0 1208 1207 11A=K+D11+D(2) 11A=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XC) | JJN=11N+1 60 T0 1208 1207 11A=K+D11+D(2) 11A=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XC) | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 1.NB=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC
 | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(I)+D(2) 1.NB=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(I)+D(2) 1.08=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEI-XN)+YC | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(I)+D(2) 1.NB=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 1.NB=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXE)-XN)+XC
 | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL=YC(IIN)+YC | JON=11N+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
LIM=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-YC(IIN)+YC | JAN 1 IN + 1
GD TD 1208
1207 IIN=K+D(I)+D(2)
1207 IIN=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XFI-XN)+XC | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 110=IN+IN+I 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XFI-XN)+XC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11N=IIN+IIN+II 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEI-XN)+XC
 | GO TO 1208
1207 IIA=KH-FI 1+D(2)
14M=IIN+1,
1208 CONTINUE
XXEL=(XCIIIN)+XC
AAAAK=(XFI - XN)+XC | GO TO 1208
1207 IIA=K+D[1]+D[2]
1AB=IIN+1
1208 CONTINUE
XXEL=(XCIIIN)+XC
AAAAK=(XFI-XN)+YC | GO TO 1208
1207 IIN=K+D(1)+D(2)
11M=IN+L
1208 CONTINUE
XXEL=(XC(IIN)+XX
AAAK=(XFI-XN)+XX |
| 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 C | GD TD 1208
1207 IIN=K+D(1)+D(2)
1.1M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XD)* | 1207 IIN=K+D(I)+D(2) 1207 IIN=IN+L, 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y) AAAAK=(XXEL-XD)+ | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XD)* | JON=IN+1
GO TO 1208
1207 IIN=K+D(I)+D(2)
JAN=IN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XO)+ | JJN=IIN+1
GG TO 1208
LIN=K+D[1]+D[2]
LIN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
AAAK=(XXEL-XO)+
 | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
LIN=IN+1,
CONTINUE
XXEL=(XC(IIN)+X(
AAAK=(XXEL-XO)* | JJN=[IN+] 6G TO 1208 GO TO 1208 LIN=K+DI]+D(2) LIN=IN+1 CONTINUE CONTINUE XXEL=(XC(IIN)+XC AAAK=(XXEL-XO)+ | JJN=IIN+1
60 TO 1208
IIN=K+D [1]+D [2]
LIN=IN+1
CONTINUE
CONTINUE
XXEL=(XC(IIN)+XC
AAAK=(XXEL-XO) | JJN=1IN+1
60 TO 1208
60 TO 1208
LIN=IN+1
CONTINUE
XXEL=(XC(IIN)+XC
AAAK=(XXEL-XO)+ | JJN=11N+1
60 TO 1208
11N=K+D(1)+D(2)
11N=11N+1,
CONTINUE
XXEL=(XC(11N)+XC
AAAAK=(XXEL-XO)
 | JJN=IIN+1
60 TO 1208
IIN=K+D[1]+D[2]
LIN=IN+1,
CONTINUE
CONTINUE
XYEL=(YC(IIN)+YC
AAAK=(XXEL-XO) | JJN=11N+1
GD TD 1208
1207 11N=K+D(1)+D(2)
JJN=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XO) | JJN=11N+1
GD TD 1208
1207 11N=K+D(1)+D(2)
JJN=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XO) | JJN=11N+1
GD TD 1208
1207 IJN=K+D(1)+D(2)
JJN=IJN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XO)*
 | JJN=11N+1
GD TD 1208
1207 11N=1K+1(1)+D(2)
JJN=1K+1(1)+D(2)
1208 CONTINUE
XXEL=(XC(11N)+X(YEL=(YC(11N)+X(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YEL-XO)+X(YEL-XO | JJN=11N+1
GD TD 1208
1207 IJN=K+D(1)+D(2)
JJN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAK=(XXEL-XO) | JJN=11N+1
GD TD 1208
1207 11N=1K+1(1)+D(2)
JJN=1K+1(1)+D(2)
1208 CONTINUE
XXEL=(XC(11N)+X(YEL=(YC(11N)+X(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YC(11N)+Y(YEL=(YEL-XO)+X(YEL-XO | JJN=11N+1
GD TD 1208
1207 IJN=K+D(1)+D(2)
JJN=IJN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XO)* | JJN=[IN+] G0 T0 1208 1207 IIN=K+D1]+D(2) LIN=K+D1]+D(2) LIN=K+D1]+D(2) LIN=K+D1]+D(2) LIN=K+D1]+D(2) ARE (XC[IN]+Y(2) AAAK=(XFL-XD)+
 | JON=11N+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JAN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XD)* | 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+YY) AAAAK=(XXEL-XD)* | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XD)* | 1207 IIN=K+D(I)+D(2) 1207 IIN=IN+L, 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+YY) AAAAK=(XXEL-XD)+ | GO TO 1208
1207 IIN=K+D[1]+D[2]
11N=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(YC(IIN)+X(
AAAK=(XXEL-XO)*)
 | GD TD 1208
1207 IIN=K+D(I)+D(2)
11M=IN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XO) | GO TO 1208
1207 IIN=K+D(1)+D(2)
11N=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAK=(XXEL-XO) |
| 1201 CONTINUE | 1207 IG 1208
1207 IG 140(1)+6(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XO) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+YC YYEL=(YC(IIN)+YC | JON=IN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JAN=IN+1
LOB CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
 | JJN=IIN+1
60 TO 1208
IIN=K+D[1]+D[2]
JJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JUN=11N+1
66 TO 1208
60 TO 1208
LIN=11N+1
LUN=11N+1
CONTINUE
XXEL=(XC(IIN)+YY
YYEL=(YC(IIN)+YY
AAAAK=(XXEL-XO)+ | JJN=11N+1
60 TO 1208
LIN=K+D[1]+D[2)
LIN=IN+1
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
XAAAK=(XXEL-XO)+ | JUN=11N+1 60 TO 1208 11N=X+011+D(2) 11N=X+011+D(2) 11N=X+011+D(2) 11N=X+011+D(2) 11N=X+011+D(2) 11N+1+D(2) 11N | JJN=IIN+1
66 TO 1208
61 TO 1208
LIN=K+011)+0(2)
LAN=IIN+1
CONTINUE
CONTINUE
CYC(IIN)+YY
YYEL=(YC(IIN)+YY
YAAAK=(XXEL-XO)+ | JJN=11N+1
60 TO 1208
IIN=K+011)+D(2)
LIN=IN+1,
CONTINUE
CONTINUE
CXEL=(YC(IIN)+YC
YYEL=(YC(IIN)+YC)
 | JUN=11N+1
60 TO 1208
11N=K+0 1208
11N=K+0 11, 1+0 (2)
11N=11N+1,
CONTINUE
CONTINUE
CONTINUE
CX (CX (11N) +X(YEL= (YC(11N) +YC) | JJN=11N+1
GD TD 1208
1207 11N=K+D(1)+D(2)
JIN=1N+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=11N+1
GD TD 1208
1207 11N=K+D(1)+D(2)
JIN=1N+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=IIN+1
GD TD 1208
1207 IIN=K+DI1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=11N+1
GD
TO 1208
1207 IIN=K+DI1)+D(2)
JAM=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=11N+1
GD TD 1208
1207 IIN=K+D(1)+D(2)
1AB=11N+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=11N+1
GD TO 1208
1207 IIN=K+DI1)+D(2)
JAM=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JJN=IIN+1
GD TD 1208
1207 IIN=K+DI1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | JAN= IIN+1
GO TO 1208
1207 IIN=K+D(I)+D(2)
JAN=IIN+I
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
 | JON=11N+1 60 TO 1208 1207 IN=K+D[1]+D[2] LAN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+YC YYEL=(YC(IIN)+YC | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 11N=T1N+1, 1208 CONTINUE XXEL=(XC(11N)+XC YYEL=(YC(11N)+YC AAAAK=(XXEL-XD)+ | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC | GO TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
 | GD TD 1208
1207 IIN=K+D111+D12
1108 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+ | 1207 IN-K+D(1)+D(2) 1207 IN-K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ |
| 1202 CONTINUE | G0 T0 1208
1207 IIN=K+D(I)+D(2)
11M=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(
AAAR=(XELIN)+X(
AAAR=(XELX)+XONAKE | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(XEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+XD)+XD)+YEL-XD)+XD)+YEL-XD)+XD)+YEL- | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(XEL-XD)+XEL-XD)+XEL-XD)+XEL-XD(XEL | 1207 IIN=1
1207 IIN=K+D[1]+D[2]
1108 CONTINUE
XXEL=(XCIIN)+XC
YYEL=(YCIIN)+YC
AAAK=(XXEL-XC)+XC
BABE (XXEL-XC)+XC
 | JJUN=IIN+1 GD TO 1208 IIN=K+D[1]+D[2] LIN=IIN+1 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC YYEL=(YC(IIN)+YC YYEL=(YC(IIN)+YC | JUN=[IN+] 60 TO 1208 61 TO 12104 JUN=[IN+1] 60 TO 1104 LIN=[IN+1] CONTINUE XXEL=[XC(IIN)-YC YYEL=[YC(IIN)-YC YYEL=[YC(IIN)-YC YYEL=[YC(IN)-YC YYEL=[YC(IN)-YC YYEL=[YC(IN)-YC YYEL=[YC(IN)-YC YYEL=[YC(IN)-YC YYEL=[YC(IN)-YC | JJN=IIN+1 60 TO 1208 IIN=K+D[[]+D[2] JJN=IIN+1 CONTINUE XXEL=(X([IIN)+X(YYEL=(Y((IIN)+Y(YYEL=(Y((IIN)+Y((IIN)+Y(YYEL=(Y((IIN)+Y(YYEL=(Y((IIN)+Y(IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y(IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((IIN)+Y((I | JJN=IIN+1 GD TO 1208 IIN=K+D(I)+D(2) JJN=IIN+1. JN=IIN+1. CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+YC)+YEL=(YC(IIN)+YC)+YEL=(YC)+YEL=(YC)+XON+YEL-XD)+YENDE | JJN=[IN+1
6G TO 1208
IIN=K+D[1]+D[2]
JJN=IIN+1
CONTINUU
XXEL=[XC(IIN)+X(
YYEL=[YC(IIN)+Y(
YYEL=[YC(IIN)+Y(
 | JJN=[IN+] GD TO 1208 IIN=K+DU[]+D(2) JJN=IIN+1, JJN=IIN+1, XXEL=[XC(IIN)+X(XYEL=[YC(IIN)+Y(XYEL=[YC(IIN)+Y | JJN=[IN+] GD TO 1208 IIN=K+DU[]+D(2) JJN=IIN+1, JN=IIN+1, XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(YEL)+YEL))+X(YEL=(YEL)+YEL)+X(YEL=(YEL)+X(YEL-XE))+X(YEL=(YEL)+X(YEL-XE))+X(YEL-XE | JJN=11N+1 60 T0 1208 1207 IIN=K+D(I)+D(2) 11N=11N+1 11N=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X(XEL=(XC(IIN)+X(XEL=(XEL)+X)+X) AAAK=(XEL-XD)+X(XEL-XD) | JJN=11N+1 60 T0 1208 1207 IIN=K+D(I)+D(2) 11N=11N+1 11N=11N+1 1208 CONTINUE XXEL=(XC(IIN)+X(XEL=(YC(IIN)+X(XEL=(XEL-XD)+X(XEL=(XEL-XD)+X | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) 1AM=IIN+1 1208 CONTINUE XXEL=(XCIIN)+XC YYEL=(YC(IIN)+YC AAAKE (XXEL-XD)* | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI1+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XCIIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XXEL-XD)+XC
 | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(I)+D(2) LJN=IIN+1 LJOB CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAKE=(XEL-XD)+XC AAAKE=(XEL-XD)+XC | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI1+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XCIIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XXEL-XD)+XC | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) 1AM=IIN+1 1208 CONTINUE XXEL=(XCIIN)+XC YYEL=(YC(IIN)+YC AAAKE (XXEL-XD)* | JON=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LAM=IIN+1 XXEL=(XCIIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XC)+XC BADK=(XXEL-XC)+XC | JONETIN+1 5 OF 1208 1207 IIN=K+D(1)+D(2) LAM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAKE (XRE-XC) AAAKE (XRE-XC)
 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 11M=IN+I. 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAKE=(XRE-XC) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(XEL-XD)+X(YEL=(XEL-XD)+X(YEL=XD)+X(YEL-XD)+X(YEL=XD)+X(YEL-XD)+X | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(XEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+YEL-XD)+XD)+XD)+YEL-XD)+XD)+YEL-XD)+XD)+YEL- | GO TO 1208
1207
IIA=K+D(I)+D(2)
11A=IIA+1.
11A=IIA+1.
11A=IIA+1.
XXEL=(XC(IIN)+X(XEL=(XC(IIN)+X(XEL=(XEL-XD)+X(XEL=XD)+X(XEL-XD)+X(| GO TO 1208
1207 IIA=K+D(I)+D(2)
11A=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(YC(IIN)+X(
AAAK=(XEL-XD)+X(| GO TO 1208
1207 IIN=K+D(I)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+X(
AAAAE-(XEL-XD)+X
BABE (XEL-XD)+X |
| 1201 CONTINUE | GD TO 1208
1207 IIN=K+D(I)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(XC(IIN)+XC
AAAK=(XXEL-XO)
BARK=(2,*AAAK*) | 1207 ID 1208
1207 ID 1 1 1 1 1 1 1 1 1 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(AAAAK=(XXEL-XD)+XBAKE(2,**AAAAK+ | JONETIN+1 GO TO 1208 1207 IIN=K+D(I)+D(2) LIN=IIN+1 LIN=IIN+1 XYEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC AAAK=(XYEL-XD)+XC BARK=(Z,*AAAK*
 | JJN=11N+1 GD TO 1208 IIN=K+DI1)+D(2) LIN=IN-11N-11 CONTINUE CONTINUE XYEL=(YC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YYEL-XD)+YK)+YK)+YYEL=(YYEL-XD)+YK) BARK=(Z-*AAAR*) | JJN=IIN+1
GD TO 1208
IIN=K+D[1]+D[2]
LJN=IIN+1
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAAK=(Z-*AAAK+1
BARK=(Z-*AAAK+1) | JJN=IIN+1
60 TO 1208
IIN=K+D[1]+D[2]
IIN=IN+1,
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAAK=(Z.*AAAK*) | JJN=IIN+1
GO TO 1208
IIIN=K+D11,1+D(2)
LIN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(YC(IIN)+Y(
YYEL=(YC(IIN)+Y(
AAAAK=(Z-*AAAK+ | JJN=IIN+1
60 TO 1208
IIN=K+D[1]+D[2]
LIN=IIN+II
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAAK=(Z-*AAAK+
 | JJN=[IN+] GD TO 1208 IIN=K-POI[]+D[2] JN=IIN+] CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+YC) YYEL=(YC(IIN)+YC) AAAAK=(Z-*AAAK+ZO) | JJN=IIN+1
GD TO 1208
IIN=K+P(I)+D(2)
JN=IIN+1
CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(YC(IIN)+Y(
YYEL=(XKEL-XD)+X
AAAK=(Z-*AAAK+N) | JJN=IIN+1 GD TD 1208 1207 IIA=F+D[1]+D[2] JJN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(XC(IIN)+X(AAAAK=(XXEL-XD)+X(BAKK=(Z,*AAAAK+XD)+X(| JJN=IIN+1 GD TD 1208 1207 IIA=F+D[1]+D[2] JJN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(XC(IIN)+X(AAAAK=(XXEL-XD)+X(BAKK=(Z,*AAAAK+XD)+X(| JJN=IIN+1
GD TD 1208
1207 IIN=K+D[1]+D[2]
JJN=IIN+1
1208
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
BARK=(Z,*AAAAK+ | JJN=IIN+1 GD TD 1208 1207 IIN=K+D[I]+D[2] LIM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+XC BARK=(Z,**AAAAK+ | JJN=IIN+1 GD TD 1208 1207 IIN=K+D[1]+D[2] 11N=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAME(XXEL-XD)+ BARK=(Z.**AAAME(XXEL-XD)+ | JJN=IIN+1 GD TD 1208 1207 IIN=K+D[I]+D[2] LIM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+XC BARK=(Z,**AAAAK+ | JJN=IIN+1
GD TD 1208
1207 IIN=K+D[1]+D[2]
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XXEL-XD)+
BARK=(Z,*AAAAK+
 | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XCIIN)+X(
YYEL=(XCIIN)+X(
AAAK=(XXEL-XO)
BARK=(2,*AAAK*) | JN=[IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LIM=IN+1.
1208 CONTINUT.
XYEL=(XC(IIN)+XC
YYEL=(XC(IIN)+YC
AAAK=(XXEL-X)+ | JAN 11N+1
GD TD 1208
1207 IIN=K+D(I)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(XC(IIN)+X(
AAAAK=(XXEL-XD)+
BARK=(2,*AAAAK+ | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(AAAAK=(XXEL-XD)+XBAK=(Z,*AAAAK*) | 1207 ID 1208
1207 ID 1 1 1 1 1 1 1 1 1
 | GO TO 1208
1207 IIA=K+D(I)+D(2)
1AB=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(XC(IIN)+X(
AAAK=(XXEL-XD)+X(
BAKK=(2,*AAAK+XD)+X(| GD TD 1208
1207 IIA=K+D11+D(2)
14M=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(XC(IIN)+X(
AAAK=(XXEL-XD)+X(
BAKK=(2,*AAAK+XD)+X(| GO TO 1208
1207 IIN=K+D(I)+D(2)
14M=IIN+L
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(XC(IIN)+XC
AAAK=(XXEL-XD)+XC
BARK=(2,*AAAAK*)+ |
| 1201 CONTINU C 1201 C 12 | GD TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XYEL-XO)
BARK=(Z,*AAAAK*) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(XEL-XO) AAAK=(XEL-XO) BARK=(2.*AAAK*) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(XEL=(XC(IIN)+X(XEL-XD)+X | JON= IIN+1
GO TO 1208
1207 IIN=K+DI)+D(2)
JAN=IIN+1
1208 CONTINUE
XXEL={XC(IIN)+XC
YYEL={YC(IIN)+XC
AAAK=(XXEL-XO)*
BARK={Z**AAAAK*} | JJN=11N+1
60 TO 1208
LIN=K+D11,1+D(2)
LIN=IN+1
CONTINUE
XXEL=(XC(IIN)+X(
AAAK=(XXEL-XO)*
BARK=(2,*AAAAK*)
 | JJN=IIN+1
60 TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+XC
AAAK=(XEL-XO)
BARK=(2.*AAAAK*) | JJN=IIN+1
60 TO 1208
IIN=K+Dil)+D(2)
JJN=IIN+1
CONTINUE
CONTINUE
XYEL=(XC(IIN)+YC
AAAK=(XXEL-XO)*
BARK=(2,*AAAAK*) | JJN=IIN+1
GD TO 1208
IIN=K+D[1]+D[2]
LIN=IIN+1
CONTINUE
XYEL=(XC(IIN)+XC
AAAK=(XYEL-XO)
BARK=(Z.*AAAAK*) | JUN=1[N+1
60 TO 1208
IIN=K+D[1]+D[2]
LIN=IN+1
CONTINUE
CXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XYEL-XO)* | JJN=[IN+] GO TO 1208 IIN=K=K-PI[]+D[2] LIN=IN+I, CONTINUE XXEL=(XC(IIN)+XC AAAK=(XC(IIN)+YC AAAK=(XEL-XC) BARK=(2.*AAAAK*)
 | JJN=IIN+1 GG TG 1208 IIN=K+D[1]+D[2] LIN=IN+1 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XC) BARK=(2.*AAAAK*) | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[I]+D[2] 1108 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XO) BARK=(Z,*AAAAK*) | JJN=IIN+1 60 T0 1208 1207 IIN=K+D[I]+D[2] 1108 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XO) BARK=(Z,*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JIN=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAAK=(XXEL-XD)*
BARK=(Z,*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+0[1)+D(2)
IIN=K+0[1]+D(2)
ILOS
CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAR=(XXEL-XD)+YC
BARK=(Z,*AAARK*) | JJN=IIN+1 GD TD 1208 1207 IIN=K+D[1]+D[2] 11N=K+D[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XO) BARK=(Z,*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+0[1)+D(2)
IIN=K+0[1]+D(2)
ILOS CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAR=(XXEL-XD)+YC
BARK=(Z,*AAARK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JIN=IN+1,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAAK=(XXEL-XD)*
BARK=(Z,*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI(1)+D(2)
JJN=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XO)*
BARK=(Z,*AAAK*)
 | JON=11N+1
GO TO 1208
1207 IIN=K+D(I)+D(2)
JON=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X(
YYEL=(YC(IIN)+X(
AAAK=(XXEL-XO)*
BARK=(2,*AAAK*) | JAN 1 IN + 1
GD TO 1208
1207 IIN=K+D(I)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XFL-XD)+
BARK=(2.*AAAAK*) | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XEL-XO)+AAAK*1 BARK=(2.*AAAAK*1 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(XEL-XO) AAAK=(XEL-XO) BARK=(2.*AAAK*) | GO TO 1208
1207 IIA=K+DI1+D(2)
11M=IIN+1.
1208 CONTINUE
XXEL=(XCIIIN)+X(
YYEL=(YCIIIN)+Y(
AAAK=(XFL-XO)+
BARK=(Z-XEL-XO)+
 | GD TD 1208
1207 11N=K+D[11+D[2]
1.1M=IIN+1.
1208 CONTINUE
XXEL=(XC(IIIN)+XX
YYEL=(YC(IIIN)+XX
AAAK=(XEL-XD)+XX | GO TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAAK=(XYEL-XO)
BARK=(Z,*AAAAK*) |
| 1201 CONTINUE 1201 CONTINUE PROGRAM LCRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MOR WRITE(6,501) 501 FORMATILH, 200, 1 GO TO 1000 C RRINT GLITLE MOD THEN ECHO CHECK DATA WRITE (6,503) IXBART, IYBART, IWATAREA, F.G, YO 502 FORMATILH, 1001 TEE FORDS, IN THE FT.2, " IWH FT.2," KT = 1.4 = 1.6 = 1.6 = 1.4 + 1.0 = 1.4 = 1.4 + 1.0 = 1.4 = 1. | 1207 IGN 1208 1207 IGN=K+D(I)+D(2) 1208 CONTINUE XKEL=(XC(IIN)+XC AAAAK=(XKEL-XD)+ BARK=(XKEL-XD)+ BARK=(Z-XAAAKK*) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XO) BARK=(XXEL-XO) | 1207 11N=K+D(1)+D(2) 1208 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)* BARK=(Z-XAAAK**) | JON=IN+1 G0 T0 1208 1207 IIN=K+D(I)+D(2) JAN=IN+I, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO)+ BARK=(XXEL-XO)+ BARK=(Z-*AAAAK*+)
 | JJN=IIN+1 GG TO 1208 GI TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1 XXEL=(XC(IIN)+XC AAAK=(XXEL-XO)+XC AAAK=(XXEL-XO)+XC AAAK=(XXEL-XO)+XC AAAX=(XXEL-XO)+XC AAAX=(XXEL-XO)+XC AAAAX=(XXEL-XO)+XC | JJN=IIN+1 60 TO 1208 61 TO 1208 IIN=IN+1 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X) AAAAK=(XXEL-XO)+ | JJN=1 IN+1
60 TO 1208
LIN=K+D1]+D(2)
LIN=IN+1
CONTINUE
XXEL=(XC(IIN)+XC
AAAK=(XXEL-XO)+
BARK=(ZXEL-XO)+
BARK=(ZXEL-XO)+ | JJN=IIN+1 60 TO 1208 IIN=K+D(1)+D(2) JJN=IIN+1, CONTINUE XXEL=(XC(IIN)+X(AAAAK=(XXEL-XO)+ | JJN=1IN+1 60 TO 1208 61 TO 1208 1IN=X+DI1)+D(2) 1JN=IIN+1 CONTINUE CONTINUE YYEL=(YC(IIN)+Y(AAAAK=(XXEL-XO)* | JJN=IIN+1 60 TO 1208 IIN=K+D(I)+D(2) LIN=IN+1. CONTINUE XXEL=(XXC(IIN)+X(YYEL=(YXC(IIN)+YYAAAAKE)) AAAAKE(XXEL-XO)
 | JJN=IIN+1 60 TO 1208 IIN=K+D(I)+D(2) JJN=IIN+1. CONTINUE XXEL=(XC(IIN)+X(AAAAK=(XXEL-XO)+ | JJN=11N+1 60 T0 1208 1207 IIN=K+0[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAAK=(XXEL-XO)+ BARK=(ZXEL-XO)+ BAR | JJN=11N+1 60 T0 1208 1207 IIN=K+0[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAAK=(XXEL-XO)+ BARK=(ZXEL-XO)+ BAR | JJN=IIN+1 | JJN=1IN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XD)+ BARK=(XXEL-XD)+ BARK=(Z-XAAAAK*+ | JJN=1IN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XD)+ BAKK=(XXEL-XD)+ BAKK=(Z-XAAAKK*)
 | JJN=1IN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XD)+ BARK=(XXEL-XD)+ BARK=(Z-XAAAAK*+ | JJN=IIN+1 | JAN=[IN+] GO TO 1208 1207 [IN=K+D[1]+D[2] JAN=IN+I 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO)+ BARK=(XXEL-XO)+ BARK=(XXEL-XO)+ BARK=(XXEL-XO)+ AAAAK** | JUNETIN+1 GO TO 1208 1207 IIN=K+D(I)+D(2) JUNETIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) | JAN 110 + 1
GD TO 1208
1208 CONTINUE
XXEL = (XC(IIN) + XC
AAAAK = (XXEL - XD) + XC
BARK = (XXEL - XD) + XC
 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XO)* BARK=(XXEL-XO)* | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XO) BARK=(XXEL-XO) | GO TO 1208
1207 IIN=K+D[1]+D[2]
1108 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAAK=(XXEL-XO)
BAKK=(XXEL-XO) | GD TD 1208 1207 IIN=K+D(I)+D(2) 11M=IN+I, 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAAK=(XXEL-XO)+ BAKK=(Z,*AAAAK*+ | GO TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XO)+
BARK=(XXEL-XO)+
BARK=(XXEL-XO)+
BARK=(XXEL-XO)+
 |
| C WRITE(6,501) 501 FORMAT(1H, 100) 502 FORMAT(1H, 100) 503 FORMAT(1H, 100) 504 FORMAT(1H, 100) 505 FORMAT(1H, 100) 506 FORMAT(1H, 100) 507 FORMAT(1H, 100) 508 FORMAT(1H, 100) 508 FORMAT(1H, 100) 509 FORMAT(1H, 100) 509 FORMAT(1H, 100) 509 FORMAT(1H, 100) 509 FORMAT(1H, 100) 600 FORMAT(1H, | 1207 IN=K+D(1)+D(2) 1.1M=K+D(1)+D(2) 1.1M=IN+L; 1208 CONTINUE XYEL=(YC(IIN)+YC YYEL=(YC(IIN)+YC AAAK=(XFL-XD)+ BARK=(2.*AAAAK*) | 1207 IN=K+D(I)+D(2) 1207 IN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(AAAAK=(XXEL-XD)) 1202 CONTINUE | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 110=IIN+I. 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XD) AAAAK=(XXEL-XD) BARK=(2.*AAAAK*) | JONETIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIN=IIN+1. XXEL=(XCIIN)+XC XYEL=(YCIIN)+YC AAAAK=(XXEL-XD) BARK=(2.*AAAAK*) 1202 CONTINUE | JJN=IIN+1 GD TO 1208 IIN=K+D(I)+D(2) LIN=IIN+1 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ BARK=(2,*AAAAK*)
 | JJN=[IN+] 60 TO 1208 61 TO 1208 LIN=[IN+1] L | JJN=[IN+1
60 TO 1208
IIN=K+D(1)+D(2)
JJN=IIN+1,
CONTINUE
XXEL=(XC(IIN)+YC
YYEL=(YC(IIN)+YC
AAAK=(XXEL-XD)+
BARK=(Z,*AAAAK*) | JUN=1IN+1 60 TO 1208 60 TO 1208 LIN=IN+1 LUN=IN+1 CONTINUE XXEL=(XC(IIN)+YC YYEL=(YC(IIN)+YC AAAK=(XXEL-XD)+ BARK=(XXEL-XD)+ BARK=(XXEL-XD)+ BARK=(XXEL-XD)+ | JJN=[IN+1
6G TO 1208
GO TO 1208
JJN=[IN+1]
JJN=[IN+1]
CONT INU U
XXEL=[XC(IIN)-YC
YYEL=[YC(IIN)-YC
AAAK=[XXEL-XD]
BARK=[Z*AAAAK*] | JJN=[IN+] GD TO 1208 IIN=K+D(I)+D(2) JJN=IIN+1, JN=IIN+1, KYEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL=(YKEL-XD)+YKEN)+Y(YYEL=(YKEL-XD)+YKEN)+Y(YYEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YUEL-YD)+Y(YU | JJN=[IN+] GD TO 1208 IIN=K+D(I)+D(2) JJN=IIN+I,
JN=IIN+I, KXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=(YC(IIN)+YEN)+X(YYEL=(YXEL-XD)+YEN)+X(YYEL=(YXEL-XD)+YEN)+X(YYEL-XD)+YEN)+X(YYEL-XD)+YEN)+X(YYEL-XD)+X(YYEL-XD)+X(YYEL-XD)+X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YYEN)-X(YY | JJN=11N+1 60 T0 1208 1207 IIN=K+D(I)+D(2) 1JM=IIN+I, 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAK=(XXEL-XD)+AK 1202 CONTINUE | JJN=11N+1 60 T0 1208 1207 IIN=K+D(I)+D(2) 1JM=IIN+I, 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAK=(XXEL-XD)+AK 1202 CONTINUE | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XCIIIN)+XC
XYEL=(YCIIIN)+YC
AAAK=(XXEL-XO)+
BARK=(2.*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI1+DI2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAK=(X-KAEL-XO)+
BARK=(2-*AAAAK+)
 | JJN=IIN+1
GD TO 1208
1207 IIN=K+DI1+DI2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAK=(X-KAEL-XD)+
BARK=(2-*AAAAK*) | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI1+DI2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAK=(X-KAEL-XO)+
BARK=(2-*AAAAK+) | JJN=IIN+1
GO TO 1208
1207 IIN=K+DI(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XCIIIN)+XC
XYEL=(YCIIIN)+YC
AAAK=(XXEL-XO)+
BARK=(2.*AAAAK*) | JON= IIN+1 GO TO 1208 1207 IIN=K+D(I)+D(2) JON=IIN+I 1208 CONTINUE XXEL=(XCIIN)+XC YYEL=(YCIIN)+YC AAAAK=(XXEL-XO)+ BARK=(2.*AAAAK*) 1202 CONTINUE | JN=11N+1 60 T0 1208 1207 I1N=K+D111+D(2) LN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)* BARK=(2.*AAAAK*) 1202 CONTINUE
 | JAN 11N+1
GD TO 1208
1207 IIN=K+D(I)+D(2)
11N=IIN+1.
1208 CONTINUE
XXEL=(XC(IIN)+XC
AAAAK=(XXEL-XO)*
BARK=(2,*AAAAK*)*
1202 CONTINUE | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAKE=(XXEL-XD) AAAAKE(XEL-XD) 1202 CONTINUE | 1207 IN=K+D(I)+D(2) 1207 IN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(AAAAK=(XXEL-XD)) 1202 CONTINUE | GO TO 1208
1207 IIA=K+D(I)+D(2)
11A=IIA+1.
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XXEL-XD)+XC
BARK=(2.*AAAAK*) | GO TO 1208
1207 IIA=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(XC(IIN)+XC
AAAAK=(XXEL-XD)+XC
BARK=(2,*AAAAK*)
 | 1207 IN=K+D(1)+D(2) 1.1M=K+D(1)+D(2) 1.208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XKEL-XD)+ 1202 CONTINUE |
| C PROGRAM LRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MMR PROGRAM LRIT, COMPUTES CRIT LENGTH FOR DIFFERENT BUCKLING MMR PRIEGO, 501) SOI FORMAT(111, 20X; "CRITICAL LENGTHS ARE AS BELOW"////) FORMAT(111, "CRIT.LENGTHS FOR SECTION'F3.1,4H "AXIAL LOAD II. MRITE (6,503) IXBART, IYBART, IAREA, 6,40 SOZ FORMAT(1114, "SCRT.PROPS.IX="F7.2," IYB="F7.2," IYB="F7.2, | GD TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+YC
AAAK=(XFC-XC)
BARK=(2.*AAAK*) | 1207 IIN=K+D(I)+D(2) 1208 LIN=IIN+I. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD)+YC BARK=(Z.*AAAK=(Z. | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAK=(XXEL-XD)+XC BARK=(Z.*AAAK* | JONETIN+1 GO TO 1208 1207 IIN=K+D[1]+D[2] LINETIN+1. 1208 CONTINUE XYEL=(XC(IIN)+XC XYEL=(XC(IIN | June 11N+1 GD 70 1208 IIN=K+DI1)+D(2) LIN=K+DI1)+D(2) LIN=IN-I CONTINUE CONTINUE CONTINUE CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+YC)+YEL=(XYEL-YEL)+YEL=(YEL-YEL)+YEL-YEL)+YEL-YEL-YEL-YEL-YEL-YEL-YEL-YEL-YEL-YEL- | JJN=IIN+1 6D TO 1208 IIN=K+D[I]+D[2] LIN=IN+IL CONTINUE XXEL=(XC(IIN)+XC AAAK=(XYEL-XC)+YC(IIN)+YC AAAK=(Z,*AAAK*)+
 | JJN=IIN+1 60 TO 1208 IIN=K+D[1]+D[2] LIN=IN+1. CONTINUE CONTINUE YYEL=(YC(IIN)+XC AAAK=(XXEL-XO)+YC BARK=(Z,*AAAK*) | JUN=11N+1 GG TG 1208 IIN=K+D[1]+D[2] LIN=IN+1 CGNTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC YYEL=(YC(IIN)+YC RAAAE=(YEL-XC) BARK=(2.*AAAAK*) | JUN=11N+1 60 TO 1208 11N=K+D[1]+D[2] 11N=IN+1 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XO)+YC BARK=(2.*AAAK*) | JJN=[IN+] GO TO 1208 II IN=K+D(I)+D(2) LIN=IN+IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-IN-I
 | JJN=IIN+1 GO TO 1208 II IN=K+011 J+D(2) LIN=IN+1. CONT INUE XXEL=(XX(IIN)+X(YEL=(XY(IIN)+Y(YEL=(XY(IIN)+Y(YEL=XY(IIN)+Y(YEL-XY(I | JJN=IIN+1 GD TD 1208 1207 IIN=K+DI1+D(2) 1108=IIN+1, 1208 CONTINUE XXEL=(XCIIIN)+X(XEL=(XCIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIIN)+X(XEL=XCIIIIIN)+X(XEL=XCIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | JJN=IIN+1 GD TD 1208 1207 IIN=K+DI1+D(2) 1108=IIN+1, 1208 CONTINUE XXEL=(XCIIIN)+X(XEL=(XCIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIN)+X(XEL=XCIIIIIN)+X(XEL=XCIIIIIN)+X(XEL=XCIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | JJN=IIN+1 G0 T0 1208 1207 IIN=K+0[1]+D[2] 11N=K+0[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC AAAK=(XFL-XO)+ BARK=(Z-*AAAK*) 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(I)+D(2) LIDBEIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAK=(XFL-XC)+PC BARK=(Z,*AAAK*) 1202 CONTINUE 303 CONTINUE 504 CONTINUE 1205 CONTINUE 1205 CONTINUE
 | JJN=IIN+1 GD TD 1208 1207 IIN=K+D[I]+D[2] 1208 CONTINUE XXEL=(XCIIIN)+XC YYEL=(XCIIIN)+YC AAAAK=(XCIIIN)+YC BARK=(Z-*AAAAK*) 1202 CONTINUE 3.002 CONTINUE 3.002 CONTINUE 3.002 CONTINUE | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(I)+D(2) LIDBEIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAK=(XFL-XC)+PC BARK=(Z,*AAAK*) 1202 CONTINUE 303 CONTINUE 504 CONTINUE 1205 CONTINUE 1205 CONTINUE | JJN=IIN+1 G0 T0 1208 1207 IIN=K+0[1]+D[2] 11N=K+0[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC AAAK=(XFL-XO)+ BARK=(Z-*AAAK*) 1202 CONTINUE 1202 CONTINUE 1202 CONTINUE | JJN=IIN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(YC(IIN)+XC
AAAK=(XXEL-XO)*
BARK=(2,*AAAK*) | JN=11N+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1. 1208 CONTINUE XYEL=(XC(IIN)+X(
AAAAK=(XYEL=XO)+AAAK=(XYEL-XO)+AAAK=(XYEL-XO)+AAAK=(XYEL-XO)+AX(XYEL-XO)+A | JUNE IN+1
GD TO 1208
1207 IIN=K+D(I)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
YYEL=(XC(IIN)+XC
AAAAK=(XYEL-XD)+XC
BARK=(2.*AAAAK=1200 CONTINUE | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(XC(IIN)+XC AAAK=(XXEL-XD)+XC BARK=(Z.*AAAK+ | 1207 IIN=K+D(I)+D(2) 1208 LIN=IIN+I. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD)+YC BARK=(Z.*AAAK=(Z. | GO TO 1208
1207 IIA=K+D(1)+D(2)
14.M=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X(
XYEL=(YC(IIN)+Y(
AAAK=(XXEL-XO)
BARK=(2.*AAAK*)
1202 CONTINUE
 | GO TO 1208
1207 IIA=K+D[11+D[2]
14M=IIN+1.
1208 CONTINUE
XXEL=(XCIIIN)+XC
XYEL=(YCIIIN)+YC
AAAK=(XFL-XD)+
BARK=(2.*AAAAK*) | GO TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIIN)+XC
YYEL=(YC(IIIN)+YC
AAAK=(XFC-XC)
BARK=(2.*AAAK*) |
| ### TOWNS AND TEAT TOWN PUTES CRIT LENGTH FOR DIFFERENT BUCKLING WING WING FERENT FORMATION CRITICAL LENGTHS ARE AS BELOW'///) FISSS.EQ.100.) GO TO 1000 FISSS.EQ.100.) GO TO 1000 MAITE (6,502) IXBART. IMPAREA, FG, YO FORMATION CRITICAL LENGTHS FOR SECTION'F3.1,4H | GD TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAK=(XXEL-XD)
BARK=(XXEL-XD)
BARK=(XXEL-XD)
1202 CONTINUE | 1207 IIA=K+D(1)+D(2) 1207 IIA=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAK=(XEL-XO) AAAK=(XEL-XO) 1202 CONTINUE 1201 CONTINUE | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAAK=(XXEL-XD)+ BARK=(Z-XD)+ 1202 CONTINUE | JON=IN+1 G0 T0 1208 1207 IIN=K+D(I)+D(2) JAN=IN+I 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-X0)+ BARK=(2-XAAAK*) 1202 CONTINUE
 | JJN=IIN+1
60 TO 1208
LIN=K+D[1]+D[2]
LIN=IIN+1
XXEL=IX(IIN)+X(
XXEL=(XC(IIN)+X(
AAAK=(XXEL-XO)+
BARK=(2,*AAAK*)
CONTINUE | JUN=11N+1 60 TO 1208 11N=K+D11)+D(2) LLN=IN+1. CONTINUE CONTINUE AAAAK=(XXEL-XO) BARK=(Z,*AAAAK*) CONTINUE CONTINUE CONTINUE CONTINUE | JJN=[IN+] 6G TO 1208 6G TO 1208 LIN=K+D[1]+D[2] LAN=IN+1, CONTINUE CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO)+ BARK=(2,*AAAK*) CONTINUE CONTINUE | JUN=11N+1 60 TO 1208 11N=K+D(1)+D(2) 11N=IN+1 CONTINUE XXEL=(XC(I1N)+X(YYEL=(YC(I1N)+X(AAAK=(XXEL-XO)) BARK=(Z,*AAAK*) CONTINUE CONTINUE | JUN=11N+1 60 TO 1208 61 TO 1208 11N=11N+1 11N=11N+1 CONTINUE XXEL=(XC(11N)+X(AAAAK=(XXEL-XO)+ BARK=(2,*AAAAK*) CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE
 | JJN=1IN+1 60 TO 1208 1IN=K+D11)+D(2) LIN=IN+1 CONTINUE XXEL=(XC(IIN)+XC AAAK=(XXEL-XD); BARK=(Z,*AAAK*) CONTINUE CONTINUE | JJN=IIN+1 60 TO 1208 IIN=K+D(I)+D(2) LIN=IN+1 CONTINUE CONTINUE YYEL=(YC(IIN)+X(AAAK=(XXEL-XO)) BARK=(Z,*AAAK*) CONTINUE | JJN=11N+1 60 T0 1208 1207 11N=K+0[1]+D[2] 1108 CONTINUE XXEL={XC([1N) +X(YXEL={XC([1N) +X(AAAAK={XXEL-XO]}) BARK={ZXEL-XO]} 1202 CONTINUE 1201 CONTINUE | JJN=11N+1 60 T0 1208 1207 11N=K+0[1]+D[2] 1108 CONTINUE XXEL={XC([1N) +X(YXEL={XC([1N) +X(AAAAK={XXEL-XO]}) BARK={ZXEL-XO]} 1202 CONTINUE 1201 CONTINUE | JJN=11N+1 GD TO 1208 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(11N)+XC XYEL=(YC(11N)+XC
AAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAAK=(XXEL-XO)+DAAAAK=(XXEL-XO)+DAAAAK=(XXEL-XO)+DAAAAAK=(XXEL-XO)+DAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | JJN=11N+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 11N=IN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | JJN=11N+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(11N)+XC XXEL=(YC(11N)+XC XXEL=(YC(11N)+YC XX | JJN=11N+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 11N=IN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | JJN=11N+1 GD TO 1208 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(11N)+XC XYEL=(YC(11N)+XC AAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAK=(XXEL-XO)+DAAAAK=(XXEL-XO)+DAAAAK=(XXEL-XO)+DAAAAK=(XXEL-XO)+DAAAAAK=(XXEL-XO)+DAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | JJN=[IN+] 60 T0 1208 1207 IIN=K+DI]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC
AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAX=(XXEL-XD)+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | JON=11N+1 GO TO 1208 1207 IIN=K+D(I)+D(2) JAN=IIN+I, 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO)+ BARK=(2,*AAAAK*) 1202 CONTINUE 1201 CONTINUE | JANSILIN+1 GD TO 1208 1207 11N=K+D(11+D(2) LIN=IIN+1 LOS CONTINUE XXEL=(YC(IIN)+YC AAAAK=(XXEL-XD) BARK=(2,*AAAAK*) 1202 CONTINUE 1201 CONTINUE | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE | 1207 IIA=K+D(1)+D(2) 1207 IIA=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAK=(XEL-XO) AAAK=(XEL-XO) 1202 CONTINUE 1201 CONTINUE
 | GO TO 1208 1207 IIM=K+D[1]+D[2] 11M=IIM+I 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC AAAK=(XXEL-XO) AAAK=(XXEL-XO) 1202 CONTINUE 1201 CONTINUE | GO TO 1208 1207 IIN=K+D(I)+D(2) 11M=IN+I, 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+XC AAAK=(XXEL-XO)+ BARK=(XXEL-XO)+ 1202 CONTINUE 1201 CONTINUE | GO TO 1208
1207 IIN=K+D(1)+D(2)
1108 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAAK=(XXEL-XD)
BARK=(XXEL-XD)
BARK=(XCONTIN)+YC
1202 CONTINUE |
| ## ## ## ## ## ## ## ## ## ## ## ## ## | 1207 IN=K+D(1)+D(2) 1. LM=K+D(1)+D(2) 1. LM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z-*AAAK* 1202 CONTINUE | 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1.04 IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YE(IIN)+X(YE(II)+X(YE(IIN)+X(YE(II)+X(YE(II | 1207 IIN=K+D(I)+D(2) 1208 IN=K+D(I)+D(2) 11M=IIN+II 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL-XD))+X(YEL-XD)+X(YEL | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 1AN=IIN+1. 1208 GONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+Y, AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) 1202 CONTINUE
 | JJN=IIN+1 GD TO 1208 GD TO 1208 JJN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, AAAK=(XXEL-XD) BARK=(2,*AAAAK*) 1202 CONTINUE | JUN=1IN+1
GD TO 1208
GD TO 1208
LUN=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAAK=(XXEL-XO)
BARK=[2,*AAAAK*
1202 CONTINUE | JJN=IIN+1 6G TO 1208 6G TO 1208 JJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE CONTINUE | JUN=IIN+1 60 TO 1208 60 TO 1208 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(2-XAAAAK* 1202 CONTINUE | JUN=IIN+1
GO TO 1208
GO TO 1208
LUN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+YC
AAAK=(XXEL-XO)
BARK=[2,*AAAK*
1202 CONTINUE
 | JJN=IIN+1 6 TO 1208 6 TO 1208 6 TO 1208 7 IN=K+D(1)+D(2) 11N=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X; AAAAK=(XXEL-XO); BARK=[2,*AAAAK* 1202 CONTINUE | JJN=IIN+1 60 TO 1208 60 TO 1208 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; XYEL=(YC(IIN)+X; AAAAK=(XXEL-XO); BARK=[2-8-4AAAK* 1202 CONTINUE | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 1.1N=K+D(1)+D(2) 1.1N=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X/ XYEL=(YC(IIN)+X/ AAAK=(XXEL-XD) BARK=(Z-*AAAKK* 1202 CONTINUE | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 1.1N=K+D(1)+D(2) 1.1N=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X/ XYEL=(YC(IIN)+X/ AAAK=(XXEL-XD) BARK=(Z-*AAAKK* 1202 CONTINUE | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1 1208 CONTINUE
XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(ZNE)-ZNE)=(ZNE)-ZNE) 1202 CONTINUE 1201 CONTINUE | JJN=1IN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1.1M=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YP | JJN=1IN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XXEL=(YC(IIN)+XC AAAAK=(XKL-XD) BARK=(XKL-XD) BARK=(2.*AAAAK* 1202 CONTINUE | JJN=1IN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1.1M=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(YP | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YC(IN)+Y(YPE)=(ZNE)-ZNE)=(ZNE)-ZNE) 1202 CONTINUE 1201 CONTINUE
 | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(YC(IN)+Y(YEL=(YC(IN)+Y(YEL=(YC(IN)+Y(YEL=(YEL-XD)+Y(YEL-XD | JANETIN+1 G TO 1208 1207 IIN-K+D(1)+D(2) LIMETIN+1. LAMETIN+1. XXEL=(XCIIN)+X. YYEL=(YCIIN)+X. AAAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) 1202 CDNTINUE | 1207 IIN=K+D(I)+D(2) 1208 ION IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) 1202 CONTINUE | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC))+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YE(YE(YE(YE(YC(IIN)+X(YE(YE(YE(YE))+X(YE(YE(YE(YE))+X(YE(YE(YE))+X(YE(YE(YE(YE | 1207 IIN=K+D(1)+D(2) 1207 IIN=K+D(1)+D(2) 1.04 IIN+1 1208 CONTINUE
XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YEL-(YC(IIN)+X(YE(IIN)+X(YE(II)+X(YE(IIN)+X(YE(II)+X(YE(II | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+I, 1208 CONTINUE XXEL=(XC(IIN)+X/ XYEL=(YC(IIN)+X/ AAAK=(XXEL-XO)- BARK=(2,*AAAAK*- 1202 CONTINUE 1201 CONTINUE | GO TO 1208 1207 IIN=K+D(1)+D(2) 1.M=IN+1. 1208 CONTINUE XKEL=(XC(IIN)+X/YKEL=(YC(IIN)+X/AAAK=(XKEL-XO)) BARK=(2,*AAAAK* 1202 CONTINUE | 1207 1N=K+D(1)+D(2) |
| ### FEG. FORMAT | 1207 IGN=K+D(1)+D(2) 1.1h=K+D(1)+D(2) 1.208 CONTINUE XXEL=(XC(IIN)+X) XYEL=(YC(IIN)+X) AAAK=(XXEL-XD) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE | GO TO 1208
1207 III=K+D(1)+D(2)
110=IIN+1.
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(YC(IIN)+X,
YYEL=(YC(IIN)+X,
AAAK=(XXEL-XD)-XD,
BARK=(2.*AAAK*
1202 CONTINUE
1201 CONTINUE | 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(XEL-XD) BARK=(Z **AAAK* 1202 CONTINUE 1201 CONTINUE | 1207 IIN+1
60 TO 1208
1207 IIN+101
1208 CONTINUE
XXEL=(YC(IIN)+X
YYEL=(YC(IIN)+X
AAAK=(XXEL-XO)
BARK=(ZXEL-XO)
1202 CONTINUE
1202 CONTINUE
 | JUN=IIN+1 GD TO 1208 GD TO 1208 LUN=IIN+1 LUN=INN-1 LUN=INN-1 KXEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XKEL-XD) BARK=(2,*AAAAK* 1202 CONTINUE | JUN=1[N+1] GD TO 1208 GD TO 1208 LIN=[IN+1] +D(2) LIN=[IN+1] 1208 CONTINUE XXEL=(XC([IN)+Y) YYEL=(YC([IN)+Y) AAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE | JJN=IIN+1 60 TO 1208 CO TO 1208 LIN=K+D(I,1+D(2) LIN=IIN+I, CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, YYEL=(XXEL-XD) BARAK=(XXEL-XD) BARK=(Z*AAAAK* CONTINUE | JUN=11N+1 GD TO 1208 GD TO 1208 LIN=11N+1 LICOB CONTINUE XXEL=(YC(LIN)+YC YYEL=(YC(LIN)+YC AAAK=(XXEL-XD) BARK=(ZXEL-XD) BARK=(ZXEL-XD) BARK=(ZXEL-XD) LICOZ CONTINUE | JUN=IIN+1
GO TO 1208
GO TO 1208
LIN=IIN+1
1208 CONTINUE
XXEL=(YC(IIN)+X
YYEL=(YC(IIN)+X
AAAK=(XXEL-XD)
BARK=(2,*AAAAK*
1202 CONTINUE
 | JJN=IIN+1 GD TO 1208 1207 IIN=K+D+II +D+C2) 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y AAAKE(Z-*AAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=KHPI I 1+D(2) LIN=IIN+1. | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 110=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, AAAAK=(XYEL-XO); BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 110=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, AAAAK=(XYEL-XO); BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1M=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE (X * KL-XD) BARK=(Z * * AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1M=IIN+1 1208
CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=1IN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X) XYEL=(YC(IIN)+Y) AAAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1M=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1M=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE (X * KL-XD) BARK=(Z * * AAAAK* 1202 CONTINUE 1201 CONTINUE | JAN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1AN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XD) BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE
 | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(11N)+X, YYEL=(YC(11N)+X, AAAKE=(XEL-XO) BARK=(2.*AAAKE) 1202 CONTINUE 1201 CONTINUE | 1207 IIN*I 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)*X YYEL=(YC(IIN)*X AAAK=(XEL-XO) AAAK=(XEL-XO) 1202 CONTINUE 1201 CONTINUE | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1.008 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YEL-XD))+X(YEL=(YEL-XD))+X(YEL=(YEL-XD))+X(YEL-XD)+X(YEL-X | GO TO 1208
1207 III=K+D(1)+D(2)
110=IIN+1.
1208 CONTINUE
XXEL=(XC(IIN)+X,
YYEL=(YC(IIN)+X,
YYEL=(YC(IIN)+X,
AAAK=(XXEL-XD)-XD,
BARK=(2.*AAAK*
1202 CONTINUE
1201 CONTINUE | GO TO 1208 1207 IIN*K+D(1)+D(2) 110=IN+IN+IN 1208 CONTINUE XXEL=(XC(IIN)+X(AAAK*E-XO) AAAAK=(XYEL-XO) 1202 CONTINUE 1202 CONTINUE
 | 1207 11N=K+D(1)+D(2) | 1207 IGN=K+D(1)+D(2) 1.0h=IN+1 1.208 CONTINUE XXEL=(XC(IIN)+X) YYEL=(YC(IIN)+Y) AAAK=(XXEL-XD) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE |
| 501 FORMATITH 1.00x, "CRITICAL LENGTHS ARE AS BELOW"///) FORMATITH 1.00x, "CRITICAL LENGTHS ARE AS BELOW"///) FORMATITH 1.00x, 10x | GD TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XEL-YO) BARK=(Z-*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT-CC | 1207 11 14 17 17 18 18 18 18 18 18 | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CDNTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(AAAAK=(XEL-XD)) BARK=(ZZAAAAK=(ZZCDNTINUE 1201 CDNTINUE 1201 CONTINUE C PROGRAM LOEIT-CC | 1207 11N=K+D(1)+D(2) 1207 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 11N=K+D(1)+D(2) 1208 CONTINU-X XYEL=(YC(IIN)+Y, XY | JUN=11N+1 GD 70 1208 GD 01 1208 LIN=11N+1 1208 CONTINUE XYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(Z **AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.C
 | JUN=11N+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; XYEL=(YC(IIN)+X; AAAAK=(XKEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.CC | JJN=IIN+1 60 TO 1208 IIN=K+D[1]+D(2) JJN=IIN+1 CONTINUE CONTINUE YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* CONTINUE CONTINUE FROGRAM LCEIT-CO | JJN=IIN+1 60 T0 1208 60 T0 1208 1207 IIN=K+D[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.CC | JUN=IIN+1 GD TO 1208 GD TO 1208 ILOT IIN=K+DI]+D(2) LUN=IIN+I 1208 CONTINUE XXEL=(XC(IIN)+X(XYEL=(XC(IIN)+X(XYEL=(XEL-XD)) BARK=(Z,*AAAAK*) 1202 CONTINUE 1201 CONTINUE PROGRAM LCFIT-CO | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=K+D[1]+D[2] LJN=IIN+1 LJNB=IIN+1 IZOB CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(X-KCL-XD) BARK=(2-*AAAK** 1202 CONTINUE IZO1 CONTINUE PROGRAM LCRIT-CI
 | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LOS CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD); BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT.CC | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1.M=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT*CC | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1.M=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT*CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL-XD))+D(XEL-XD)) BARK=(X-XD) BARK=(X-XD) C PROGRAM LETT-CC C PROGRAM LETT-CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1.
 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT.CC | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT*CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERT.CC | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL-XD))+D(XEL-XD)) BARK=(X-XD) BARK=(X-XD) C PROGRAM LETT-CC C PROGRAM LETT-CC | JJN=IIN+1 60 TO 1208 1207 IIN=K+Dil)+D(2) 1208 CONTINUE XXE=(XX(IIN)+XY YYEL=(YX(IIN)+XY AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT.CC
 | JJN=11N+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LIM=TIN+1. 1208 CONTINUE XYEL=(XC(IIN)+X, AAAK=(XYEL-XD): BAKE=(Z,*AAAK+ 1202 CONTINUE 1201 CONTINUE C PROGRAM LCEIT.CC | 1207 IIN*I 60 T0 1208 1207 IIN=K+D(I)+D(2) 1.008 CDNTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X(AAAAK*(XYEL-XO)*AAAAK*(XYEL-XO)*AAAAK*(XYEL-XO)*AAAAK*(XYEL-XO)*AAAAK*(XYEL-XO)*AAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAK*(XYEL-XO)*AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | 1207 IIA=K+D(1)+D(2) 1208 IIA=IIA=IIA=IIA=IIA=IIA=IIA=IIA=IIA=IIA | 1207 11 14 17 17 18 18 18 18 18 18 | GO TO 1208 1207 IIN=K+D(1)=D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAK=(XKEL-XD)+X, AAAAAK=(XKEL-XD)+X, AAAAAAK=(XKEL-XD)+X, AAAAAAK=(XKEL-XD)+X, AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | 1207 110=K+0[1]+D[2]
 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XEL-XD) BARK=(Z-XAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LEIT-C |
| 501 FORMAT(1H1,20x,'CRITICAL LENGTHS ARE AS BELOW'///) FITSSS.EQ.100.) GO TO 1000 RRITE (4,502)SSS.LOAD SOZ PRHAT(1H .'CRIT.LENGTHS FOR SECTION'F3.1,4H ,'AXIAL LOAD I. MRITE (4,503) IXBART,IYBART,IWAKT,AREA,F.G.YO 503 FORMAT(1H .'CRIT.LENGTH STORS.IX=F7.2,' IV=F7.2,' IV=F7.2,' KT=' 1. A=FRA.2,' E=FRA.1, G=1EA.1, YN=F2.2) C. COAPUTE CRIT LENGTH CORREOSPONDING TO HUCKLING ART XX AXIS PIE 3.1459 RITE(6,505)LX KX=SOR(1CRE**PIE**E*IXBART)LOAD! KX=SOR(1CRE**PIE**E*IXBART)LOAD! KX=SOR(1CRE**PIE**E*IXBART)LOAD! KX=SOR(1CRE**PIE**E*IXBART)LOAD! AZ=ICAN**PA**COA**COA**AX**CC IRCALA**AX**CC IRCALA**CAA**AX**CC IRCALA**CAA**AX**CC) IRCALA**CAA**AX**CC) IRCALA**CAA**AX**CC) IRCALA**CAA**AX**CC) IRCALA**CAA**AX**CC) IRCALA**CAA**AX**CC) IRCALA**CAA**AX**CC) IRCALA**CAA**AX**CC) IRCALA**CAA**CAA**AX**CC) IRCALA**CAA**CAA**CC) IRCALA**CAA**CAAA**CC) IRCALA**CAA**CAAA**CC) IRCALA**CAAA**CAAA**CC) IRCALA**CAAA**CAAA**CC) IRCALA**CAAA**CAAA**CC) IRCALA**CAAA**CAAA**CC) IRCALA**CAAA**CAAA**CC) IRCALA**CAAA**CAAA**CC) IRCALA**CAAA**CAAA**CC) IRCALA**CAAAA**CAAA**CC) IRCALA**CAAAA**CAAA**CC) IRCALA**CAAAA**CAAA**CAAA**CC) IRCALA**CAAAA**CAAAA**CAAA**CC | GO TO 1208 1207 IJN=K+D(1)+D(2) 1JN=IN+I, 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE CONTINUE CONTINUE | 1207 IIA=K+D(1)+D(2) 1207 IIA=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE 1201 CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE | 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) CONTINUE 1201 CONTINUE C PROGRAM LCRIT.CC | JAN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JAN=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X(YPE)=(YC(IIN)+Y(YPE)=(YC(IIN)+Y(YPE)=(YC(IN)+Y(YPE)=(YPC)+YPE)=(YPC) | JUNETIN+1 GO TO 1208 1207 IIN=K+D[1]+D[2] 1208
CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=[2-*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT+C | JUN=1[N+1
GD TO 1208
GD TO 1208
LIN=K+D[1]+D[2]
LIN=IN+1
1208 CONTINUE
XXEL=(XC(IIN)+X
AAAAK=(XXEL-XO)
BARK=[2,*AAAAK*
1202 CONTINUE
1201 CONTINUE
PROGRAM LCRIT+CO | JJN=IIN+1 60 TO 1208 61 TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1 CONTINUE XXEL=(XC(IIN)+X AAAAK=(XXEL-XO): BARK=[2,*AAAAK* CONTINUE CONTINUE CONTINUE | JUN=11N+1 60 TO 1208 61 TO 1208 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X/ XYEL=(YC(IIN)+X/ AAAAK=(XXEL-XO) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT+CO | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=IN+1 LIN=IN+ | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[I]+D[2] LIN=IK+D[I]+D[2] LIN=IK+D[I]+D[2] TYEL=[XC[I]N]+X XXEL=[XC[I]N]+X AAAK=[XXEL-XO] BARK=[Z,*AAAKK* LI202 CONTINUE LI202 CONTINUE LI201 CONTINUE
 | JJN=IIN+1 6D TO 1208 1207 IIN=K+D(I)+D(2) 11N=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAAK=(XXEL-XO) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X/ XXEL=(YC(IIN)+X/ AAAK=(XXEL-XO) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT+CC | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X/ XXEL=(YC(IIN)+X/ AAAK=(XXEL-XO) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT+CC | JJN=IIN+1 | JJN=1IN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XXEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT+CC
 | JJN=IIN+1 GO TO 1208 1207 IJN=F+D(1)+D(2) JJN=F+D(1)+D(2) XRE=(XC(IIN)+XC) XRE=(XC(IIN)+XC) XRE=(XC(IIN)+XC) AAAK=(XC(IIN)+XC) BARK=(XEL-XO) BARK=(XEL-XO) BARK=(XEL-XO) CONTINUE 1201 CONTINUE C PROGRAM LCRIT+CC | JJN=1IN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XXEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT+CC | JJN=IIN+1 | JJN=[IN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X
AAAK=(XXEL-XO)
BARK=[2,*AAAAK**
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT.CC | JJN=[IN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1,
1208 CONTINUE
XXEL=(XC(IIN)+X,
XYEL=(YC(IIN)+X,
AAAAK=(XYEL-XD)
BARK=[2,*AAAAK*
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT.CC
 | 1207 11N=K+D(1)+D(2) 1208 1208 1208 CONTINUE XXEL=(XC(11N)+X; YYEL=(YC(11N)+X; YYEL=(YC(11N)+X; AAAAK=(XXEL-XD) BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT.CC | 1207 11N=K+D(1)+D(2) 1208 CDNTINH-1. 1208 CDNTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XEL-XD)+X, AAAAK=(XEL-XD)+X, AAAAAK=(XEL-XD)+X, AAAAAK=(XEL-XD)+X, AAAAACAAAAK=(XEL-XD)+X, AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | 1207 IIA=K+D(1)+D(2) 1207 IIA=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE 1201 CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) 1202 CONTINUE 1201 CONTINUE CONTINUE CONTINUE | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+II 1208 CONTINUE XXEL=(XC(IIN)+XY YYEL=(YC(IIN)+XY AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) 1202 CONTINUE 1201 CONTINUE CONTINUE CONTINUE CONTINUE | GO TO 1208
1207 IJN=K+D(1)+D(2)
1208
CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
AAAK=(XXEL-XD)
BARK=(XXEL-XD)
BARK=(XXEL-XD)
BARK=(XXEL-XD)
CONTINUE
1201 CONTINUE
C PROGRAM LCRIT,CC |
| 501 FORMATITION, CRITICAL LENGTHS ARE AS RELOW'///) FISSS.EQ.100.1 GO TO 1000 BRINT OUIT TITLE AND THEN ECHO CHECK DATA MATTE (4.502) SSS, LOAD 502 FORMATITH, 'CRIT.LENGTHS FOR SECTION'F3.1,4H ,'AXIAL LOAD- 11 A='EBA2,' E='EFA1,' G='EBA1,' Yn='F7.2', IW='F7.2', IW='F7.2 | 1207 IG 1208 1207 IG 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XV AAAK=(XEL-XO) AAAK=(XEL-XO) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRITCC UPTIFICATION | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKK=(XXEL-XD) BARK=(Z,*AAAAKK 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(| JAN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JAN=IIN+1. XXEL=(XCIIN)+X XYEL=(YCIIN)+X YYEL=(YCIIN)+X AAAAK=(XXEL-XD) BARK=(Z-*AAAAK* 1202 CDNTINUE 1201 CONTINUE C PROGRAM LCRIT, CC UPTIFIC CONTINUE | JUN=IIN+1 GD TO 1208 GD TO 1208 JUN=IIN+1 1208 CONTINUE XXEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAAK=(XXEL-XD) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI MD TIFE(4.501) | JUN=1[N+1] GD TO 1208 GD TO 1208 LIN=IN+1, 1+D(2) LIN=IN+1, LIN=IN | JJN=IIN+1 60 TO 1208 61 TO 1208 JJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+Y AAAAK=(XXEL-XO) BARK=(XXEL-XO) CONTINUE CONTINUE CONTINUE UPTE(4, 501) | JUN=11N+1 GD TO 1208 GD TO 1208 LIN=K+D11)+D(2) LIN=IN+1 LZOB CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BAKK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE HD TIFE(A, SO1) | JUN=IIN+1 GO TO 1208 GO TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE HD TIFE(A, SO1) | JJN=IIN+1 GD TO 1208 I207 IIN=K+D(I)+D(2) LJN=IIN+1 I208 CONTINUE XXEL=(XC(IIN)+X AAAAK=(XXEL-XO) BARK=(Z-*AAAAK* I202 CONTINUE I201 CONTINUE PROGRAM LCRIT, CI MD TIFE(A. 501) | JJN=IIN+1 60 TO 1208 60 TO 1208 1207 IIN=K+DII)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC) AAAK=(XXEL-XO) BARK=(XXEL-XO) | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) LM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XXEL=(YC(IIN)+X AAAAK=(XXEL-XO) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC BARFETER (X EL-XO) BARFETER (X EL-XO) BARFETER (X EL-XO) BARFETER (X EL-XO) | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) LM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XXEL=(YC(IIN)+X AAAAK=(XXEL-XO) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC BARFETER (X EL-XO) BARFETER (X EL-XO) BARFETER (X EL-XO) BARFETER (X EL-XO) | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(XEL-XEL)+XEL-XEL)+XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL- | JJN=1IN+1 GD TO 1208 1207 IIN=K+011+012) LJM=1IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IN)+X XYEL-(YC(IN)+X XYEL=(YC(IN)+X XYEL-(YC(IN)+X XYEL-(YC(IN)+X XYEL-(Y | JJN=1IN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XO) BARK=(XXEL-XO) BARK=(XXEL-XO) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | JJN=1IN+1 GD TO 1208 1207 IIN=K+011+012) LJM=1IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IIN)+X XYEL=(YC(IN)+X XYEL-(YC(IN)+X XYEL=(YC(IN)+X XYEL-(YC(IN)+X XYEL-(YC(IN)+X XYEL-(Y | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+X(YEL=(XEL-XEL)+XEL-XEL)+XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL-XEL- | JUN=TIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JUN=IIN+1. LOB CONTINUE XYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, AAAMK=(XXEL-XD) BARK=(Z-*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC UPTIFIC CONTINUE | JANETIN+1 G TO 1208 1207 11N=K+D(1)+D(2) LIM=IIN+1, XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CDNTINUE 1201 CONTINUE C PROGRAM LCRIT, CC UPITE(A. GA) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XXEL-XD) BARK=(Z,*AAAAKE 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE=(XXEL-XD) BARK=(XXEL-XD) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(| GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XV AAAK=(XEL-XO) AAAK=(XEL-XO) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRITCC UPTIFICATION | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+II 1208 CONTINUE XKE=(xC(IIN)+X AAAK=(xKEL-XO) BARK=(z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | 1207 110=K+0f(1)+0f(2) | 1207 1108 1208 1207 1108 1208 |
| FIGSS. 69.100 GO TO 1000 | GD TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD)* BARK=(Z,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM IN CENT, CC WRITE(6,501) | 1207 110=K+D(1)+D(2) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(XC(IIN)+X(YEL=(XEL-XD)+X(YEL=(XEL-XD)+X(YEL-XD)+X | 1207 IIN+1
1207 IIN+1011+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XC
XYEL=(YC(IIN)+XC
YYEL=(YC(IIN)+XC
YYEL=(XEL-XC)
1202 CONTINUE
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT,CC
 | JUN=IIN+1 GO TO 1208 GO TO 1208 LUN=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y AAAK=(Z.*AAAK* 1202 CONTINUE 1201 CONTINUE WRITE(6,901) | JUN=1[N+1] GD TO 1208 GD TO 1208 GD TO 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(XKEL-XD) BARAK=(XXEL-XD) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE WRITE(6,501) | JJN=IIN+1 60 TO 1208 IIN=K+D(I]+D(2) LJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y YYEL=(XXEL-XO) WITHE(6,501) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=K+D[1]+D[2] LIM=IIN+1 LIOS CONTINUE XXEL=(XX[IIN)+X YYEL=(XYCIIIN)+X AAAAK=(YXEL-XO) BARK=(2.*AAAAK* 1202 CONTINUE PROGRAM LCRIT,CI WRITE(6,501) | 1207 11N=11N-1
GO TO 1208
GO TO 1208
LIN=IIN+1
1208
CONTINUE
XXEL=(XC(IIN)+X
YYEL=(YC(IIN)+X
XYEL=(XKEL-XO)
BAAAK=(XKEL-XO)
BAAAK=(XKEL-XO)
BAAAK=(XKEL-XO)
BAAAK=(XKEL-XO)
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BAAAK=(XKEL-XO)
BAAAK=(XKEL-XO)
BAAAK=(XKEL-XO)
BAAAK=(XKEL-XO)
BAAAK=(XK | JJN=IIN+1 GD TO 1208 GD TO 1208 LION IN=K+D(I)+D(2) LIN=IIN+IIN+I LION CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(2.*AAAK*) LION CONTINUE PROGRAM LCRIT,CO WRITE(6,501) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=KPL11+D(2) LIOB CONTINUE XXEL=(XC(IIN)+XYYEL=(YC(IIN)+YYAL=(YC(IIN)+YYAL=(XC(IIN)+YYAL=(YC(IIN)+YYAL=(YC(IIN)+YYAL=(YC(IIN)+YYAL=(YC(IIN)+YYAL=(YC(IIN)+YYAL=(YC(IIN)+YYAL=(YC(IIN)+YAL=(| JJN=IIN+1 GD TD 1208 1207 IIN=FHP(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X XYEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(2.*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C WRITE(6,501) | JJN=IIN+1 GD TD 1208 1207 IIN=FHP(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X XYEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(2.*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C WRITE(6,501)
 | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1. L208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XEL-XD) BARX=(Z.*AAAAK* 1202 CDNTNUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 1AM=IIN+1 1208 CONTINUE XXEL=(YC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) AAAK=(XXEL-X | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LAM=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+Y, XYEL=(YC(IIN)+Y, AAAAK=(XXEL-XD) BARK=(Z,*AAAK*) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE(6,501) | JJN=IIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) 1AM=IIN+1 1208 CONTINUE XXEL=(YC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) AAAK=(XXEL-X | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1. L208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XEL-XD) BARX=(Z.*AAAAK* 1202 CDNTNUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) | JON=TIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIN=IIN+1. LOS CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, TYEL=(XEL-XO) BARK=(Z.*AAARK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(| JANETIN+1 GD TO 1208 1208 CONTIN+1 1208 CONTIN+1 XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(XCIIN)+X 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE C WRIE(6,501)
 | JONETON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XYEL-XO)+BAKE(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C WRIGGRAM LCRIT,CC | 1207 110=K+D(1)+D(2) | GO TO 1208 1207 IIN*K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, AAAAK=(XKL-XO) BARK=(Z.*AAAK+ 1202 CONTINUE 1201 CONTINUE C WRITE(6,501) | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z.*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC WRITE(6,501)
 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(X*EL-XD)+X; BARK=(Z*AAAK**) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCEIT, CC WRITE(6,501) |
| TFISSS.EQ.100. GO TO 1000 | GO TO 1208
1207 IIN=K+D(1)+D(2)
1208 CONTINUE
XXEL=(XC(IIN)+XY
YYEL=(YC(IIN)+XY
AAAK=(XXEL-XO)
BARK=(2,*AAAK*
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT,CC
MRITE(6,501) | 1207 110=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY AAAM=(XYEL-XO) BARK=(Z,*AAAM* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC C HREGRAM LCRIT,CC | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL=(YXEL-XO))) AAAAK=(XYEL-XO) BARK=(2.*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC HRITE(6,501) | JAN IN 1 1 1 1 1 1 1 2 0 6 0 1 0 1 2 0 8 1 2
0 8 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 | 1207 IIN+1
GD TO 1208
LIN=IN+1
1208 CONTINUE
XYEL=(XC(IIN)+X
YYEL=(YC(IIN)+X
YYEL=(YC(IIN)+Y
AAAK=(Z * AAAK*
1202 CONTINUE
1201 CONTINUE
1201 CONTINUE
1201 CONTINUE
1201 CONTINUE | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1 LOB CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(ILN)+X AAAK=(XXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,C(| JJN=IIN+1 60 TO 1208 IIN=K+D[1]+D(2) LIN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* CONTINUE CONTINUE PROGRAM LCRIT,C(| JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LINBIN-1 LOB CONTINUE XXEL=(XC(IIN)+X AAAK=(XKEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,C(| JUN=IIN+1 60 TO 1208 61 TO 1208 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, AAAK=(XXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT,C(
 | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] AAAAK=(XKEL-XD] BARK=(2,*AAAK* LIZOZ CDNIINUE LIZOI CONTINUE LIZOI CONTINUE REGGRAM LCRIT, CC HRITE(6,501) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] LOB CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XFL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 11M=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC C MRITE(6,501) | JJN=IIN+1 60 T0 1208 1207 IIN=K+D(1)+D(2) 11M=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC C MRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK*
1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IIN=K+P(1)+D(2) 11M=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(X*EL-XO) BARK=(Z*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IJN=K+D(1)+D(2) JJN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501)
 | JJN=[IN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+XV
XXEL=(XC(IIN)+XV
AAAAK=(XXEL-XO)
BARK=(XXEL-XO)
BARK=(2,*AAAAK*
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT,CC
MRITE(6,501) | JANETIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) JANETIN+1 1208 CONTINUE XYEL=(XC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=(YC(IIN)+Y(YEL=XO))+D(YEL-XO)) BARK=(2.*AAAR* 1202 CONTINUE 1201 CONTINUE C PROGRAM (LERIT, CC HRITE(6,501) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=XO)XYEL=(YYEL-YO)XYEL=(YYEL-YO)XY | 1207 11N=K+D(1)+D(2) 1208 CDNTIN+1. 1208 CDNTINUE XXEL=(XC(IIN)+X(YEE=YC(IIN)+Y(YEE=YC(IIN)+Y(YEE-XDE) 1202 CDNTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC HRITE(6,501) | 1207 110=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XYEL=(YC(IIN)+XY XYEL=(YC(IIN)+XY AAAM=(XYEL-XO) BARK=(Z,*AAAM* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC C HREGRAM LCRIT,CC
 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1202 CONTINUE C PROGRAM LCRIT,CC C MRITE(6,501) | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XEL-YO) BARK=(Z-*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) |
| TESSS.EQ.100. GO TO 1000 C | 1207 IO 1208 1207 IJN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE | 1207 11/4=K+D(1)+D(2) 1207 11/4=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(11N)+X, YYEL=(YC(11N)+X, AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) FORBATINUE C PROGRAM LCRIT.CC WRIGHE(6.501) | JAN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JAN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YC(IIN)+Y(YEL=(YEL)+YEL)+Z(| JUN=IIN+1 GO TO 1208 GO TO 1208 LUN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+Y AAAAK=(XXEL-XO) BARK=[2-*AAAAK* 1202 CONTINUE 1201 CONTINUE | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D(1)+D(2) LIN=IIN+1 LZOB CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X AAAAK=(XXEL-XO) BARK=(2,*AAAAK* 1202 CONTINUE LZOZ CONTINUE LZOZ CONTINUE TZOI CONTINUE PROGRAM LCRIT,CO WRITE(6,901) | JJN=IIN+1 60 TO 1208 61 TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1 XXEL=(XC[IIN)+X XXEL=(XC[IIN)+X AAAK=(XXEL-XO) BAKK=[2,*AAAK* CONTINUE CONTINUE CONTINUE FORMAT(1:1,20) | JUN=IIN+1 GD TO 1208 GD TO 1208 I207 IIN=K+D[1]+D[2] I208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IN)+XC XY | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=IN+1 L208 CONTINUE XXEL=(XC(IIN)+X AAAAK=(XXEL-XO) BAKK=[2-*AAAAK* 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORMAT(IH)-20X | JJN=IIN+1 GD T208 GD T0 1208 L1N=IK+D[1]+D[2] L1N=IK+D[1]+D[2] L208 CONTINUE XXEL=(XC(IIN)+XX AAAAK=(XXEL-XO) BARK=(Z,*AAAAK* L202 CONTINUE L201 CONTINUE PROGRAM LCRIT+CO WRITE(6,901) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IN+1 LIN=IN+1 LINB-IN+1 LINB-IN+1 XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAKK* LI202 CONTINUE LI202 CONTINUE LI201 CONTINUE PROGRAM LCRIT,CO WRITE(6,901) | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XV AAAAK=(XXEL-XD) BAAK=(XXEL-XD) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XV AAAAK=(XXEL-XD) BAAK=(XXEL-XD) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X AAAK=(XXEL-XO) BAK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE | JJN=1IN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XXEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CO FORMINIUE C PROGRAM LCRIT,CO FORMINIUE C PROGRAM LCRIT,CO MRITE(6,501) | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC) XXEL=(XC(IIN)+XC) AAAK=(XXEL-XD) BAKE=(2,*AAAKK*) 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CO FORMATITH 1.20X | JJN=1IN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XXEL=(XC(IIN)+X AAAK=(XXEL-XO) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CO FORMINIUE C PROGRAM LCRIT,CO FORMINIUE C PROGRAM LCRIT,CO MRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) 1AB=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X AAAK=(XXEL-XO) BAK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE | JJN=[IN+1
GO TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1,
LZ08 CONTINUE
XXEL=(XC(IIN)+X
XXEL=(YC(IIN)+X
AAAK=(XYEL-XO)
BARK=[2,*AAAAK*
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT,CO
MRITE(6,501) | JJW=[IN+1
GO TO 1208
1207 [IN+K+D(1)+D(2)
JJN=IIN+1,
LOS CONTINUE
XXEL=(XC(IIN)+X
XXEL=(YC(IIN)+X
AAAAK=(XXEL-XD)
BARK=(XXEL-XD)
BARK=(Z,*AAAAK*
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT.CC
WRITE(6,501) | 1207 11N=K+D(1)+D(2) 1208 1208 CONTINUE XXEL=(XC(11N)+X XYEL=(YC(11N)+X YYEL=(YC(11N)+X AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) FORBATINUE 1201 CONTINUE 1201 CONTINUE 501 FORBATI(1+1.20X | 1207 11N=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE | 1207 11/4=K+D(1)+D(2) 1207 11/4=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(11N)+X, YYEL=(YC(11N)+X, AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XD) BARK=(XXEL-XD) FORDATINUE CONTINUE CONTINU | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+II 1208 CONTINUE XXEL=(XC(IIN)+XY XYEL=(XC(IIN)+XY AAAK=(XXEL-XO) BARK=(XXEL-XO) BART=(XXEL-XO) BARC=(XXEL-XO) BARC=(| GO TO 1208 1207 IIN=K+D(1)+D(2) 1.M=IN+I, 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAK=(XXEL-XD) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CO |
| WITTE | 1207 IGN 1208 1207 IGN 14-K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAAK=(XXEL-XG) BARK=(Z,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC MRITGE(6,501) 501 FORRAY(1+1,20X* | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XV XYEL=(YC(IIN)+XV AAAKE=(XEL-XO) AAAKE=(XEL-XO) BARK=(2.*AAAKK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGRAM LCRIT,C) SOI FORMAT(11,20X, | 1207 IIN=K+D(1)+D(2) 1208 CONTINUE 208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XXEL-XD) BARE(ZXEL-XD) SOL CONTINUE C PROGRAM LCRIT,C KHITE(6,501) SOL FORRAT(11,20X, | JJW=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JAN=IIN+1, LOB CONTINUE XYEL=(YC(IIN)+Y, YYEL=(YC(IIN)+Y, AAARE (X:K-XD) BARK=(X:K-XD) BARK=(X:K-XD) CONTINUE 1202 CONTINUE 1201 CONTINUE CONTINUE NRIGE(A:501) SOI FORRAT(11,20X,
 | JUN=IIN+1 GD TO 1208 GD TO 1208 JUN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(C.*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CC WITE(6,501) 501 FORMAT(IH,20X, | JUN=IIN+1 GD TO 1208 GD TO 1208 ILOT IIN=K+DI] +D(2) LUN=IIN+1 LZOB CONTINUE XXEL=(XC(IIN)+XC) AAAAK=(XXEL-XO) BARK=(Z.*AAAAK* LZOZ CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI WRITE(6,501) 501 FORMAT(IH, 20X, | JJN=IIN+1 6G TO 1208 6D TO 1208 LIN=K+D(I)+D(2) LIN=IIN+I LXXEL=(CONTINU) AAAAK=(XXEL-XO) AAAAK=(XXEL-XO) BARK=(CONTINU) CONTINUE CONTINUE FRUGRAM LCRIT, CO | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1. LOB CONTINUE XXEL=(XC(IIN)+XC AAAAK=(XXEL-XO) BARK=(Z-*AAAAK* LZOZ CONTINUE LZOZ CONTINUE LZOI CONTINUE FORGRAM LCRIT, CI WRITE(6,501) SOI FORMAT(IH,20X, | JUN=IIN+1 GO TO 1208 GO TO 1208 IIN=K+0111+D(2) LUN=IIN+1 IZO8 CONTINUE XXEL=(XC(IIN)+X(XYEL=(YC(IIN)+X(AAAK=(XXEL-XO) BARK=(Z,*AAAAK* IZO2 CONTINUE IZO1 CONTINUE PROGRAM LCRIT, CC WITTE(6,501) WRITE(6,501) FORMAT(IH,20X,
 | JJN=IIN+1 6D TO 1208 6D TO 1208 1207 IIN=K+D[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XO) BARK=(ZXEL-XO) BARK=(ZXE | JJN=IIN+1 6 | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1. 1208 CONTINUE XXEL=(XC[IIN)+XC XYEL=(YC[IIN)+XC AAAK=(XYEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (CRIT, CC WRITE(6,501) S01 FORRAM (11,20x, | JJN=IIN+1 GD TD 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1. 1208 CONTINUE XXEL=(XC[IIN)+XC XYEL=(YC[IIN)+XC AAAK=(XYEL-XD) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (CRIT, CC WRITE(6,501) S01 FORRAM (11,20x, | JJN=IIN+1 GD TO 1208 1207 IIN=K+DI1+D(2) 1JN=K+DI1+D(2) 1JN=IIN+1 1Z08 CONTINUE XXEL=(XC(IIN)+X(XYEL=(YC(IIN)+X(XYEL=(YC(IIN)+X(XYEL=(YC(IIN)+X(XYEL=(YC(IN)+X(XYEL=(YC(IN)+X(XYEL=(YC(IN)+X(XYEL-XD)+XYEL=(YC(IN)+X(XYEL-XD)+XYEL=(YC(IN)+X(XYEL-XD)+XYEL=(YZEL-XZEL-XD)+XYEL=(YZEL-XZEL-XD)+XYEL=(YZEL-XZEL-XZEL-XZEL-XZEL-XZEL-XZEL-XZEL-X | JJN=11N+1 GD TO 1208 1207 IN=K+D(1)+D(2) 1AM=11N+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC
AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (1H1,20x, | JJN=1IN+1 GD TO 1208 1207 IN=K+D(1)+D(2) 1AM=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORMAY(11,20X, | JJN=11N+1 GD TO 1208 1207 IN=K+D(1)+D(2) 1AM=11N+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC AAAK=(XXEL-XO) BARK=(Z,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORRAM (1H1,20x, | JJN=IIN+1 GD TO 1208 1207 IIN=K+DI1+D(2) 1JN=K+DI1+D(2) 1JN=IIN+1 1Z08 CONTINUE XXEL=(XC(IIN)+X(XYEL=(YC(IIN)+X(XYEL=(YC(IIN)+X(XYEL=(YC(IIN)+X(XYEL=(YC(IN)+X(XYEL=(YC(IN)+X(XYEL=(YC(IN)+X(XYEL-XD)+XYEL=(YC(IN)+X(XYEL-XD)+XYEL=(YC(IN)+X(XYEL-XD)+XYEL=(YZEL-XZEL-XD)+XYEL=(YZEL-XZEL-XD)+XYEL=(YZEL-XZEL-XZEL-XZEL-XZEL-XZEL-XZEL-XZEL-X | JUN=[IN+1
GD TO 1208
1207 IIN=K+D(1)+D(2)
LUN=IIN+I,
1208 CONTINUE
XXEL=(XC(IIN)+X,
XYEL=(YC(IIN)+X,
XYEL=(YC(IIN)+X,
AAAK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
BARK=(XXEL-XD)-
FORTINUE
C PRGGRAM LCRIT, CC
WRITE(6+501)-
501 FORRAT(1H, 20X,
 | JJN=[IN+1
G TO 1208
1207 IIN=K+D(1)+D(2)
JJN=IIN+1,
IZ08 CONTINUE
XXEL=(XC(IIN)+X
YYEL=(YC(IIN)+X
AAAAK=(XXEL-XD)
BARK=(XXEL-XD)
BARK=(Z,*AAAAK*
1202 CONTINUE
1201 CONTINUE
C PROGRAM LCRIT, CC
WRITE(6,501)
501 FORMAT(141,20X, | 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAKE(XXEL-XD) BARE(Z,*AAAAKE 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC C PROGRAM LCRIT,CC S01 FORRAT(11,20X, | 1207 IIN=K+D(I)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAKK=(XXEL-XD) BARK=(XXEL-XD) BARK=(Z-*AAAAKK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGRAM LCRIT,C) S01 FORMAT(IH1,20X, | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+XV XYEL=(YC(IIN)+XV AAAKE=(XEL-XO) AAAKE=(XEL-XO) BARK=(2.*AAAKK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGRAM LCRIT,C) SOI FORMAT(11,20X, | GO TO 1208 1207 IIN=K+D(1)+D(2) 11M=IN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, AAAK=(XXEL-XO) BAKK=(XXEL-XO) SOI FORMAN(IN) SOI FORMAN(IN)-ZOX
 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1AM=IN+I, 1208 CONTINUE XKE = (xC(IIN)+X; XYEE = (xYEL - xO) BARK = (x xEL | 1207 11N=K+D(1)+D(2) | | | | | | | | | | | | | | | | | | | | | | | | | |
| C PRINT OUT ITTE AND THEN ECHO CHECK DATA WRITE (5,502)SSS.LOAD 11 WRITE (5,502)SSS.LOAD SOU WRITE (5,503) IXBAT, IYBARR, IW, KT, AREA, E, G, YD 11 A=+ER_2, ==-FR_1, I G=+FR_2, I V=+F7_2, I V=+F7_2, KT=+ C CONDUTE CRIT LENGTH CORREOSPONDING TO BUCKLING ART XX AXIS LX=SQRI(LPIE*PIE*E*IXBART)LLOAD) WRITE(6,503)LX SOLVE CRIT LENGTH LAT. TORSIONAL BUCKLE AZ=PIE*PIE*E*IYBART AZ=CAAT CZ=PIE*PIE*E*IN AZ=CAACH AZ=CAACH CZ=PIE*PIE*E*IN AZ=CAACH AZ=CACH | 1207 IN 1208 1207 IN 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1202 CONTINUE 1202 CONTINUE 1201 CONTINUE | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(XYEL=(XYEL-XO))+D(XYEL-XO)) AAAAK=(XYEL-XO)+D(XYEL-XO) | 1207 IIN=K+D(1)+D(2) 1208 CONTINUE 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, YYEL=(YC | JANTIN+1 G TO 1208 1207 IIN=K+D(1)+D(2) LIN=IIN+1, LOS CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XO) BARK=(Z-*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGRAM LCRIT,C | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=IN+1 LOS CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(XEL-XD) BAR=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI WRITE(6,501) 501 FORMAT(IH1,20X, | JUN=11N+1 GD TO 1208 GD TO 1208 LIN=11N+1 1208 CONTINUE XXEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y AAAK=(XXEL-XD) BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE | JJN=IIN+1 60 TO 1208 IIN=K+D(I]+D(2) JJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X YYEL=(YC(IIN)+Y AAAAK=(Z,*AAAK CONTINUE CONTINUE CONTINUE FORMAT(III)-CX | JUN=IIN+1 GD TO 1208 GD TO 1208 ILON IIN=IN+1 IZOB CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(Z,*AAAKK 1202 CONTINUE IZOI C | JUN=IIN+1
GO TO 1208
GO TO 1208
LIN=IIN+1
1208 CONTINUE
XXEL=(XCIIN)+X
YYEL=(YCIIN)+X
AAAAK=(XXEL-XD)
BARK=(2.*AAAAK*
1202 CONTINUE
1201 CONTINUE | JJN=IIN+1 6 D 1208 6 D 1 1208 1207 IIN=K+D[1]+D[2] 1208 CONTINUE XXEL=(XC(IIN)+XC YYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BARK=(Z,*AAAKK 1202 CONTINUE 1201 CONTINUE | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D[1]+D[2] LIN=IIN+1 LZOB CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BARK=[C,*AAAAK* 1202 CONTINUE LZOI CONTINUE REGENAN LCRIT,C WRITE(6,501) FORMAT(IH1,20X, | JJN=IIN+1 GD TO 1208 1207 IJN=K+Di(1)+Di(2) 1AN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMAT(IH1,20X, | JJN=IIN+1 GD TO 1208 1207 IJN=K+Di(1)+Di(2) 1AN=IIN+1 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+YC AAAK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMAT(IH1,20X, | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, AAAMK=(XXEL-XD), BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PRO | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+Y, AAAMK=(XXEL-XD), BARK=(XXEL-XD), BARK=(XXEL-XD), 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 501 FORMAT(IH1,20X, | JJN=IIN+1 GD TO 1208 1207 IIN=K+DI1+DI2) 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(YC(IIN)+XC XYEL=(YC(IIN)+YC AAARK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGRAM LCRI | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+Y, AAAMK=(XXEL-XD) BARK=(XXEL-XD) BARK=(XXEL-XD) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGRAM LCRI | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1JN=IIN+1, 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, AAAMK=(XXEL-XD), BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PRO | JAN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1AN=IIN+1. 1208 CONTINUE XXEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(XXEL-XD) BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,C(C PROGR | JANETIN+1 5 OT 0 1208 1207 11N=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(YC(IIN)+X(YEL=(YEL-XO))+YEL=(XEL-XO)) AAAK=(XEL-XO) AAAK=(XEL-XO) AAAK=(XEL-XO) AAAK=(XEL-XO) AAAK=(XEL-XO) AAAK=(XEL-XO) AAAK=(XEL-XO) BART=(SEL-XO) SONTINUE C PROGRAM LCRIT.C C PROGRAM LCRIT.C SONTINUE C PROGRAM LCRIT.C | JONETION 1 GO TO 1208 1207 11N=K+D(1)+D(2) 11N=TIN+1. 1208 CONTINUE XXEL=(XC(IIN)+XC XYEL=(XC(IIN)+XC XYEL=(XC(| 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, AAAAK=(XXEL-XD) BARK=(Z,*AAAKK, 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) 501 FORMAT(IHI,20X, | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(XYEL=(XYEL-XO))+D(XYEL-XO)) AAAAK=(XYEL-XO)+D(XYEL-XO) | GO TO 1208 1207 IIM*+D(1)+D(2) 1108 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X AAAAK=(XYEL-XO) BARK=(2.*AAAAK 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6.501) 501 FORMAT(1H1,20X) | 1207 110=K+D(1)+D(2) | 1207 IN=K+D(1)+D(2) 1.M=IN+I. 1.08 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL=(YC(IN)+Y(YYEL=(YC(IN)+Y(YYEL-(YO)+Y(YEL-(YO)+Y |
| C PRIMT DUIT TITLE AND THEN ECHO CHECK DATA WITTE (6,502)SSS,LOAD 1.1 WITTE (6,503) TABAT, I'MART, I'M, KT, AREA, E, G, YO FORMAT(110, 'SECT. PROPS. JX = 'FT.2,' 'IY=FT.2,' 'IW='FT.2,' 'IW='FT.2 | 1207 IN 1208 1207 IN 1208 1208 CONTINUE 1208 CONTINUE 1208 CONTINUE 1202 CONTINUE 1201 | 1207 110=K+D(1)+D(2) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(XC(IIN)+X(YEL=(XC(IIN)+X(YEL=(XC(IIN)+X(YEL-XO)+X | JAN TIN+1 G TO 1208 1207 IINETNATA LIMETINATA TOR CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X TYEL=(XEL-XO) BARK=(Z **AAAK* 1202 CONTINUE C CONTINUE C PROGRAM LCRIT.CC PROGRAM LCRIT.CC PROGRAM LCRIT.CC PROGRAM LCRIT.CC FORMATITE(6,501) 501 FORMAT(IH),20X, | JUN=IIN+1 GO TO 1208 GO TO 1208 LUN=IN+1. 1208 CONTINUE XXEL=(X(IIN)+X, YYEL=(Y((IIN)+Y, YYEL-(Y((IIN)+Y, YY | JUN=11N+1 GD TO 1208 GD TO 1208 GD TO 1208 LIN=11N+1 1208 CONTINUE XXEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y AAAAK=(XXEL-XD) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE WRITE(6,501) 501 FORMAT(IH1,20X* | JJN=IIN+1 60 TO 1208 IIN=K+D(I]+D(2) LJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y YYEL=(YC(IIN)+Y YYEL=(XKEL-XO) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=K+D[I]+D[2] LIM=IIN+II LIOB CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAK=(YCLIN)+Y AAAK=(YCLIN)+Y BARK=(2,*AAAK* 1202 CONTINUE PROGRAM LCRIT, CI WRITE(6,501) 501 FORMAT(IH1,20X, | 1207 IIN+1
GO TO 1208
GO TO 1208
LIN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X
XYEL=(YC(IIN)+X
XYEL=(YC(IIN)+X
AAAK=(XKEL-XO)
BARK=(2,*AAAK*
1202 CONTINUE
1201 CONTINUE
PROGRAM LCRIT,CI
WR. ITE(6,501)
501 FORMAT(IH1,20X, | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=KPL1 H-D(2) LIOB CONTINUE XXEL=(XC(IIN)+XY XYEL=(YC(IIN)+XY AAAX=(XXEL-XO) BARK=(2.*AAAX** LIOZ CONTINUE PROGRAM LCRIT, CI WRITE(6.501) SOI FORMAT(IH1,20X* | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=K+0[1]+D(2) LJN=IIN+1 LZOS CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(YXEL-XO) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAM LCRIT, CI WRITE(6,501) 501 FORMAT(IH1,20X) | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAAK=(XXEL-XO) BARK=(Z.*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM (CRIT, CC WRITE(6,501) 501 FORMAT(IH1,20X, | JJN=IIN+1 G0 T0 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(YC(IIN)+X AAAAK=(XXEL-XO) BARK=(Z.*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM (CRIT, CC WRITE(6,501) 501 FORMAT(IH1,20X, | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1, XXEL=(XCIIN)+X XXEL=(XCIIN)+X AAAK=(XXEL-XD) BARK=(Z.*AAAK* 1202 CDNTNUE 1201 CONTINUE C PROGRAM LCRIT, CI MRITE(6,501) 501 FORMAT(1H,120X* | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1, LOS CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(XXEL-XD) BARK=(Z.*AAARK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC PROGRAM LCRIT,CC MRITE(6.501) 501 FORMAT(IH,1,20X* | JJN=1IN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJN=1IN+1, 1208 CONTINUE XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, XYEL=(YC(IIN)+Y, AAAAK=(XXEL-XD) BARK=(Z.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC PROGRAM LCRIT,CC MRITE(6.501) 501 FORMAT(IH1,20X* | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1, LOS CONTINUE XXEL=(XC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(YC(IIN)+X, XYEL=(XXEL-XD) BARK=(Z.*AAARK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC PROGRAM LCRIT,CC MRITE(6.501) 501 FORMAT(IH,1,20X* | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) JJN=IIN+1, XXEL=(XCIIN)+X XXEL=(XCIIN)+X AAAK=(XXEL-XD) BARK=(Z.*AAAK* 1202 CDNTNUE 1201 CONTINUE C PROGRAM LCRIT, CI MRITE(6,501) 501 FORMAT(1H,120X* | JON=TIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) LIN=IN+1, XXEL=(XCIIN)+X XYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XEL-XO) | JANETIN+1 G TO 1208 1207 11N=K+D(1)+D(2) LIM=TIN+1. 1208 CONTINUS XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+Y, YYE | JONETON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=(YC(IIN)+X(YYEL=XO))+D(IIN)+Y(YYEL=XO)) 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTIN | 1207 110=K+D(1)+D(2) | GO TO 1208 1207 IIN+FD(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X AYAEL=(XC(IIN)+X AYAEL=(XC(IIN) | 1207 110=K+D(1)+D(2) | 1207 110=K+D(1)+D(2) |
| C PRINT OUT ITILE AND IHEN ECHO CHECK DATA WRITE (6,502)SS,LOD 502 FORMAT(IH) "CRIT_LENGTHS FOR SECTION*F3.1,4H "AXIAL LOAD 1.1. WRITE (6,503) IXBART, IYBART, IW,KT,AREA,E,6,VO 503 FORMAT(IHO, 'SECT. PROPS.1X = 'F7.2,' IY=F7.2,' IW=*F7.2,' | 1207 11N=K+D(1)+D(2) | 1207 110#K+D(1)+D(2) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(XC(IIN)+X, YYEL=(XC(IIN)+X, AAAK=(XYEL-XO), BARK=(Z,*AAAK+ IZOZ CONTINUE IZOZ CONTINUE C PROGRAM (LRI,CC) MRITE(6,501) FERSE C OO O | JANETIN+1 0 JANETIN+1 1207 IIN-K+D(1)+D(2) LAMETIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XEL-XD) BARK=(Z,*AAAK* 1202 CONTINUE C GNATINUE C GNATINUE PROGRAM (LRIT,C) HRITE(6,501) FERSE C GOOTON | JUNETIN+1 GU TO 1208 GUTO 1208 LINETIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(XEL-XO) BARE(Z-*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAN LCRIT, CI WRITE(6,501) FOR FORMAT (H1,20X) FOR FORMAT (H1,20X) | JUN=IIN+1 GD TO 1208 GD TO 1208 ILUN=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X XYEL=(XC(IIN)+X AAAK=(XFL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1207 CONTINUE 1207 CONTINUE 1208 CONTIN | JJN=IIN+1 60 TO 1208 IIN=K+D(I]+D(2) LJN=IIN+1 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+Y YYEL-(YC(IIN)+Y YYEL-(YU)+Y YY | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=IK+D[1]+D[2] LIN=IK+D[1]+D[2] IZOB CONTINUE XYEL=(XC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 | 1207 IIN+1
GO TO 1208
GO TO 1208
LIN=IIN+1
1208 CONTINUE
XXEL=(XC(IIN)+X
YYEL=(YC(IIN)+X
YYEL=(YC(IIN)+Y
1202 CONTINUE
1201 CONTINUE
1201 CONTINUE
PROGRAM LCIT+CI
WRITE(6,501)
WRITE(6,501) | JJN=IIN+1 GD TO 1208 GD TO 1208 LIOT IIN=K+0[1]+D(2) LJN=IIN+1, IZOB CONTINUE XXEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, AAAAK=(XXEL-XD)+ BARK=(2,*AAAK* 1202 CONTINUE 1201 CONT | JJN=IIN+1 GD TO 1208 GD TO 1208 LIN=ILN=ILN=ILN=ILN=ILN=ILN=ILN=ILN=ILN= | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC WRITE(6,501) FOR | JJN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAAK=(XXEL-XD) BARK=(2,*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC WRITE(6,501) FOR | JJN=IIN+1 GD TO 1208 1207 IJN=I+N-1(1)+D(2) JJN=I+N-1(1)+D(2) XXEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C HRITE(6,501) FERSE C CONTINUE 1201 CO | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LAM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO)) BARK=(2,*AAAK** 1202 CONTINUE 1201 CONTINUE C HRITE(6,501) FERSE CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINU | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE C HRITE(6,501) FORGRAM LCRIT, CC HRITE(6,501) FORGRAM LCRIT, CC C HRITE(6,501) FORGRAM LCRIT, CC C HRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LAM=IIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO)) BARK=(2,*AAAK** 1202 CONTINUE 1201 CONTINUE C HRITE(6,501) FERSE CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 1208 CONTINU | JJN=IIN+1 GD TO 1208 1207 IJN=I+N-1(1)+D(2) JJN=I+N-1(1)+D(2) XXEL=(X(IIN)+X, XYEL=(X(IIN)+X, XYEL=(X(IIN)+X, AAAK=(XXEL-XO) BARK=(Z,*AAAKK* 1202 CONTINUE 1201 CONTINUE C HRITE(6,501) FERSE C CONTINUE 1201 CO | JAN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) LAN=IIN+1, LOS CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC | JANETIN+1 GD TO 1208 1207 11N=K+D(1)+D(2) LIM=TIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XY | JONE 11008 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YEL=(XC(IIN)+X(XEL-XO)) AAAAK=(XXEL-XO) BARK=(2.*AAAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCEIT, CC WRITE(6.501) TELES CONTINUE C WRITE(6.501) | 1207 IN=K+D(I)+D(2) 1207 IN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XD)+YYEL=(YYEL-XDX)+YYEL-XDX)+YYEL=(YYEL-XDX)+YYEL-XDX)+YYEL=(YYEL-XDX)+YYEL-XDX)+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX+YYEL-XDX-YYEL-XYEL-XDX-YYEL-XYEL-XYEL-XYEL-XYEL-XYEL-XYE | 1207 110#K+D(1)+D(2) | GO TO 1208 1207 IIN+FD(1)+D(2) 1208 CONTINUE 208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XO) BARK=(2.*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT, CC WRITE(6.501) FERSE CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1202 CONTINUE 1201 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1206 CONTINUE 1206 CONTINUE 1207 CONTINUE 12 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XXEL-XD)+AAAAK=(XEL-XD)+AAAAK=(XEL-XD)+AAAAK=(XEL-XD)+AAAAAK=(XEL-XD)+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(X*EL-XD) BARK=(Z,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC C WRITE(6,501) FERSE CONTINUE 1201 CONTINUE 120 |
| C PRINT GUT ITILE AND THEN ECHO CHECK DATA WITTE (4,502)SS3,LOOD 502 FORMAT(1H) 'CRIT_LENGTHS FOR SECTION*F3.1,4H ''AXIAL LOAD HITTE (4,502)SS3,LOOD 503 FORMAT(1H) 'SECT. PROPS.IX='F7.2,' IY='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IT='F7.2,' IH='F7.2,' IT='F7.2,' IT='F7.2,' IH='F7.2,' IT='F7.2,' IT='F7.2,' IT='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7 | 1207 IIN=K+D(1)+D(2) | 1207 110#K+D(1)+D(2) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(XC(IIN)+X(YYEL=(XYEL-XO))+D(IIN)+Y(XYEL-XO)) 1202 CONTINUE 1201 CONTINUE | JANETIN+1 0 JANETIN+1 1207 IIN-K+D(1)-D(2) LIMETIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAAE (XEL-XO) BARK=(2.*AAAAK* 1202 CONTINUE CONTINUE C WRITE(6.501) FERSE CONTINUE FROGRAM (IH)-XOX FERSE CONTINUE TENSE CONTINUE C WRITE(6.501) | JUNETIN+1 GD TO 1208 GD TO 1208 LINETIN-1 1208 CONTINUE XYEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(Z-*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAN LCRIT, CI WRITE(6,501) HRITE(6,501) TELSES EN 1001) | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D(1)+D(2) LIN=IN+1 LOB CONTINUE XXEL=(XC(IIN)+X; 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PROPS.IX='F7.2,' IY='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IT='F7.2,' IH='F7.2,' IT='F7.2,' IT='F7.2,' IH='F7.2,' IT='F7.2,' IT='F7.2,' IT='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7.2,' IT='F7.2,' IH='F7.2,' IH='F7 | 1207 IIN=K+D(1)+D(2) | 1207 110#K+D(1)+D(2) | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(XC(IIN)+Y(XYEL=(XYEL-XO))+D(XYEL-XO)) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 PROGRAM (IH1,COX) 1205 CONTINUE 1201 CONTINUE 1201 CONTINUE 1201 PROGRAM (IH1,COX) 1207 CONTINUE 1201 CONTINUE 1207 CON | JANETIN+1 0 JANETIN+1 1207 IIN-K+D(1)-D(2) LIMETIN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+X AAAAE (XEL-XO) BARK=(2.*AAAAK* 1202 CONTINUE CONTINUE C WRITE(6.501) FERSE CONTINUE FROGRAM (IH)-XOX FERSE CONTINUE TENSE CONTINUE C WRITE(6.501) | JUNETIN+1 GD TO 1208 GD TO 1208 LINETIN-1 1208 CONTINUE XYEL=(XC(IIN)+X YYEL=(YC(IIN)+X YYEL=(YC(IIN)+Y AAAK=(Z-*AAAK* 1202 CONTINUE 1201 CONTINUE PROGRAN LCRIT, CI WRITE(6,501) HRITE(6,501) TELSES EN 1001) | JUN=IIN+1 GD TO 1208 GD TO 1208 LIN=K+D(1)+D(2) LIN=IN+1 LOB CONTINUE XXEL=(XC(IIN)+X; 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YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO)) BARK=(2,*AAAKK*) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C MRITE(6,501) FOR SECONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1207 CONTINU | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1 1208 CONTINUE XXEL=(XC(IIN)+X YYEL=(YC(IIN)+X AAAK=(XXEL-XD) BARK=(2,*AAAKK* 1202 CONTINUE 1201 CONTINUE C HRITE(6,501) FORGRAM LCRIT, CC MRITE(6,501) FORGRAM LCRIT, CC C HRITE(6,501) FORGRAM LCRIT, CC C HRITE(6,501) FORGRAM LCRIT, CC C HRITE(6,501) | JJN=IIN+1 GO TO 1208 1207 IIN=K+D(1)+D(2) LIM=IN+1. 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XO)) BARK=(2,*AAAKK*) 1202 CONTINUE 1201 CONTINUE 1201 CONTINUE C MRITE(6,501) FOR SECONTINUE 1201 CONTINUE 1202 CONTINUE 1202 CONTINUE 1203 CONTINUE 1203 CONTINUE 1203 CONTINUE 1204 CONTINUE 1205 CONTINUE 1207 CONTINU | JJN=IIN+1 GD TO 1208 1207 IJN=IK+0(1)+D(2) JJN=IK+0(1)+D(2) JJN=IK+0(1)+D(2) XXEL=(X(IIN)+X(YEL=(XEL-XO)) BARK=(XEL-XO) FORMATICE C MRITE(6,501) FORMATICE FORMATI | JAN=IIN+1 60 TO 1208 1207 IIN=K+D(1)+D(2) LAN=IIN+1, L208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(Y | JANETIN+1 GD TO 1208 1207 IIN=K+D(1)+D(2) LIM=TIN+1. 1208 CONTINUE XXEL=(XC(IIN)+X, XYEL=(XC(IIN)+X, XY | 1207 IIN=K+D(I)+D(2) 1207 IIN=K+D(I)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(XC(IIN)+X, YYEL=(XC(IIN)+X, AAAK=(X*EL-XO)* BARK=(Z**AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM (LH;,CC, MRITE(6,501) FENSES EN 1001) FENSES EN 1001 | 1207 IN=K+D(1)+D(2) 1207 IN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X(YYEL=(YC(IIN)+Y(YYEL=(YC(IIN)+Y(YYEL=(YYEL-XO))) AAAR=(XYEL-XO) BARK=(ZZAAARX 1202 CONTINUE 1201 CONTINUE C PROGRAM (CRIT, CC WRITE(6,501) FERSES EN 1001) | 1207 110#K+D(1)+D(2) | GO TO 1208 1207 IIN+FD(1)+D(2) 1208 CONTINUE 208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, AAAAK=(XKEL-XD)+X, AAAK=(XKEL-XD)+X, BARK=(2,*AAAK** 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC HRITE(6,501) 501 FORMAT(IH1,20X, IENSES EG 1001) FOR EGS EG 1001 | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X; YYEL=(YC(IIN)+X; YYEL=(YC(IIN)+X; AAAK=(XXEL-XD) BARK=(2,*AAAK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LERIT, CC C WRITE(6,501) FOR STAND CONTINUE 1201 CONTINUE | GO TO 1208 1207 IIN=K+D(1)+D(2) 1208 CONTINUE XXEL=(XC(IIN)+X, YYEL=(YC(IIN)+X, YYEL=(YC(IIN)+X, AAAK=(X*EL-XO) BARK=(Z*AAAKK* 1202 CONTINUE 1201 CONTINUE C PROGRAM LCRIT,CC MRITE(6,501) FOR STATE (11,10X, FOR STATE (11 |

JSS=SSS JSS=SSS IF (JSS-2) 520, 530 IF (JSS-2) 15 -VE AA=3.105 RXX=.877 GD 10. 550 ORXX=0.446 AA=3.795 GD 10. 550 ORXX=0.446 AA=2.795 GD 10. 500 VALUES OF CO.P. CD=19. CD=19. CD=19. CD=19. CD=10. IF BL.EQ.0.BL IS LL(3)=BL THRE.50PP. K=1 H IF BL.EQ.0.BL IS THRE.50PP. K=1 H IF BL.EQ.0.BL IF RE.EQ.0.BC THRE.50PP. K=1 H IF BL.EQ.0.BL CD=19. CD=19. CD=19. CD=19. CD=19. CD=19. CD=10. CD=1	,540 ,SECTION E ;2ERO,SECTION F;TVE,SECTION L	FEN IN 1970 CODE FOR FY=55KSI POSS CRIT.LENGTHSAL,BL,LX APPLICABLE	0.00	.IVE LENGTH="F6.1,4H ,/10X,"CRIT LOAD BY CO	
)520,530	RXX=0.446 AA=2.237 GO TO 550 VGU S OF CD=19. CD=82.5 ZM=0.175 ZM=0.175 ZM=0.175 LL (3)=BL LL (3)=BL LL (2)=AL	If (BL. Eq. 0.) 50 NN = 3 GD ID 552 NN = 2 OD 553 JJ=1,NN KIR=LIJJI/RXX KIR=LIJJI/RXX FF (C. C. 0) 60 FA = 0.6455 PP=AAFF A GO TO 590 FK (R. 67, C. 0) 60	PP=AA*FA 6G TO 580 6G TO 580 PP=AA*FA LLL=L(JJ) PREAA*FA FRITEL(5,600)111,PP FRINEL(5,600)111,PP CONTINUE CONTINUE CONTINUE CALL EXIT	COMPILATION DELETED. 1