...LABEL AUTOMATIC

PURPOSE
Generates automatic labels for either the first horizontal axis or the left vertical axis or both.

DESCRIPTION
The vertical axis contains the first argument of the PLOT command while the horizontal axis contains the second argument of the PLOT command. That is, PLOT TEMP TIME uses TEMP as the left vertical axis label and TIME for the first horizontal axis label. The entire command is placed in the third horizontal axis label. Specifying AUTOMATIC for the right vertical axis or the second horizontal axis results in the word AUTOMATIC being printed for the label.

SYNTAX 1
XLABEL AUTOMATIC
X1LABEL AUTOMATIC
This syntax is used to place the second argument of the PLOT command in the first horizontal axis label.

SYNTAX 2
Y1LABEL AUTOMATIC
This syntax is used to place the first argument of the PLOT command in the left vertical axis label.

SYNTAX 3
X3LABEL AUTOMATIC
This syntax is used to place the entire PLOT command in the third horizontal axis label.

SYNTAX 4
LABEL AUTOMATIC
This syntax is used to place the entire PLOT command in the third horizontal axis label, the second argument to the PLOT command in the first horizontal axis label, and the first argument for the PLOT command in the left vertical axis.

EXAMPLES
Y1LABEL AUTOMATIC
X1LABEL AUTOMATIC
XLABEL AUTOMATIC

DEFAULT
All labels are blank.

SYNONYMS
None

RELATED COMMANDS
<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE AUTOMATIC</td>
<td>Sets an automatic title.</td>
</tr>
<tr>
<td>PLOT</td>
<td>Generates a data or function plot.</td>
</tr>
<tr>
<td>LABEL</td>
<td>Specifies the labels for the plot axes.</td>
</tr>
<tr>
<td>LABEL CASE</td>
<td>Sets the case (upper/lower/asis) for the axes labels.</td>
</tr>
<tr>
<td>LABEL COLOR</td>
<td>Sets the color for the plot labels.</td>
</tr>
<tr>
<td>LABEL DISPLACEMENT</td>
<td>Sets the distance from the frame to the plot labels.</td>
</tr>
<tr>
<td>LABEL FONT</td>
<td>Sets the plot label fonts.</td>
</tr>
<tr>
<td>LABEL SIZE</td>
<td>Sets the size (height) for the plot labels.</td>
</tr>
<tr>
<td>LABEL THICKNESS</td>
<td>Sets the line thickness for the plot labels.</td>
</tr>
<tr>
<td>TEXT</td>
<td>Writes a text string.</td>
</tr>
<tr>
<td>TITLE</td>
<td>Sets the plot title.</td>
</tr>
<tr>
<td>LEGEND</td>
<td>Sets the plot legends.</td>
</tr>
</tbody>
</table>

APPLICATIONS
Automatic plot labeling
IMPLEMENTATION DATE
92/8 (updated 93/8)

PROGRAM
LET LEAD = DATA ...
   164 426 59 98 312 263 607 497 213 54 160 262 547 325 419 94 70
LET POT = DATA ...
   106 175 61 79 94 121 424 328 107 218 140 179 246 231 245 339 99
.
TITLE DEMONSTRATE AUTOMATIC LABELS
TITLE SIZE 5
LABEL AUTOMATIC
CHARACTER CIRCLE
CHARACTER SIZE 1.5
LINE BLANK ALL
PLOT POT LEAD

DEMONSTRATE AUTOMATIC LABELS

POT

LEAD

PLOT POT LEAD