IX.3.0B-SYSTEM-UFIELD  SUBROUTINE UFIELD

Description

Subroutine UFIELD reads an input field using free format (separated by a comma or blank). Character fields with embedded blanks or commas are enclosed in quotes.

Subroutine UFLDST [Hyperlink] can be used to print the error messages for subroutine UFIELD.

Subroutine UPRFLD [Hyperlink] can be used to print the values of all arguments in the call to subroutine UFIELD.

Calling Sequence

CALL UFIELD (NFLD,ISTRT,LENGTH,ITYPE,NREP,INTEGR,REAL,LCHAR,CHAR,
LLPAR,LRPAR,LASK,LATSGN,LAMPS,LEQUAL,ISTAT)

Argument List

<table>
<thead>
<tr>
<th>Argument</th>
<th>Input/Output</th>
<th>Type</th>
<th>Dimension</th>
<th>Description</th>
</tr>
</thead>
</table>
| NFLD     | Both         | I*4  | 1         | If input:  
0 = read card 1/  
If output:  
>0 = number of field on card  
-1 = end of input (ISTAT also set to 3) |
| ISTRTanggal | Both         | I*4  | 1         | If input:  
>0 = process next field  
0 = first time UFIELD called 1/  
-1 = reprocess current field  
-2 = do not read new card after last field processed  
-3 = read next card only if '&' found  
If output:  
>0 = starting location of field on card  
-2 = no more non-comment input found - new card not read (will only be this value when ISTRTanggal=-2 on input) |
| LENGTH   | Output       | I*4  | 1         | Length of field |
| ITYPE    | Output       | I*4  | 1         | Field type:  
0 = integer  
1 = real |
<table>
<thead>
<tr>
<th>Argument</th>
<th>Input/Output</th>
<th>Type</th>
<th>Dimension</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NREP</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Repeat factor: 2/ -1 = no repeat factor found</td>
</tr>
<tr>
<td>INTEGR</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Value of field as integer (filled if ITYPE is 0)</td>
</tr>
<tr>
<td>REAL</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Value of field as real (filled if ITYPE is 0 or 1)</td>
</tr>
<tr>
<td>LCHAR</td>
<td>Input</td>
<td>I*4</td>
<td>1</td>
<td>Number of words in variable CHAR</td>
</tr>
<tr>
<td>CHAR</td>
<td>Output</td>
<td>A4</td>
<td>LCHAR</td>
<td>Value of field as character (filled if ITYPE is 0, 1, or 2 and without n* if repeat factor used)</td>
</tr>
<tr>
<td>LLPAR</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Location in field of left parenthesis</td>
</tr>
<tr>
<td>LRPAR</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Location in field of right parenthesis</td>
</tr>
<tr>
<td>LASK</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Location on card of asterisk (*) found in field</td>
</tr>
<tr>
<td>LATSGN</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Location in field of at sign (@)</td>
</tr>
<tr>
<td>LAMPS</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Location in field of ampersand (&amp;)</td>
</tr>
<tr>
<td>LEQUAL</td>
<td>Output</td>
<td>I*4</td>
<td>1</td>
<td>Location in field of equal sign (=)</td>
</tr>
</tbody>
</table>
| ISTAT    | Output       | I*4  | 1         | Return code:  
0 = no errors  
1 = null field  
2 = not enough room in array CHAR to pack LENGTH characters  
3 = end of card input (NFLD also set to -1)  
4 = invalid value for repeat factor  
5 = valid date field found (set only if ICKDAT in common UFREEX is set to 1)  
6 = ending quote not found for character string  
7 = non-comment characters

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Input/Output Type Dimension Description

found after last column to be processed

Notes:

1/ The first time UFIELD is called NFLD and ISTRT must be set to 0.

2/ Repeat factor are specified as 'n*value' where n is the number of times the value is to be repeated.